

# Product Datasheet

## Cytokeratin, HMW Antibody (KRTH/1576R) [Alexa Fluor® 750]

**NBP2-54589AF750**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-54589AF750**

Cytokeratin, HMW Antibody (KRTH/1576R) [Alexa Fluor® 750]

| Product Information     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size               | 0.1 ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration           | Please see the vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Storage                 | Store at 4C in the dark.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clonality               | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Clone                   | KRTH/1576R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preservative            | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Conjugate               | Alexa Fluor 750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity                  | Protein A or G purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Buffer                  | 50mM Sodium Borate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Host                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene ID                 | 51350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Symbol             | KRT76                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Species                 | Human, Canine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity Notes        | Expected to show broad species reactivity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Marker                  | Epithelial Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity/Sensitivity | This monoclonal antibody recognizes basic (Type II or HMW) cytokeratins, which include 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8). Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. The acidic keratins have molecular weights (MW) of 56.5, 55, 51, 50, 50', 48, 46, 45, and 40kDa. monoclonal antibody AE3 recognizes the 65-67, 64, 59, 58, 56, and 52kDa keratins of basic subfamily. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. |
| Immunogen               | Recombinant full-length human Cytokeratin, HMW protein (Uniprot: Q01546)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Application Details</b> |                                                                        |
|------------------------------------|------------------------------------------------------------------------|
| <b>Applications</b>                | Immunohistochemistry, Immunohistochemistry-Paraffin                    |
| <b>Recommended Dilutions</b>       | Immunohistochemistry, Immunohistochemistry-Paraffin                    |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined. |



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### **Products Related to NBP2-54589AF750**

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|                    |                                                         |
|--------------------|---------------------------------------------------------|
| NBP2-24891AF750    | Rabbit IgG Isotype Control [Alexa Fluor® 750]           |
| H00051350-P01-10ug | Recombinant Human Cytokeratin, HMW GST (N-Term) Protein |
| DTM100             | TIMP-1 [HRP]                                            |
| NBP2-07126         | Cytokeratin, HMW Overexpression Lysate                  |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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