

# Product Datasheet

## CD44 Antibody (OTI1E3) NBP2-46151

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP2-46151**

CD44 Antibody (OT1E3)

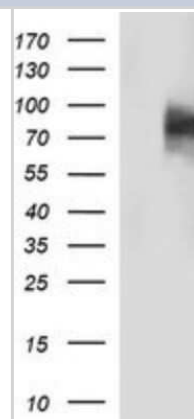
| Product Information     |  |
|-------------------------|--|
| Unit Size               | 0.1 ml                                   |
| Concentration           | 1 mg/ml                                  |
| Storage                 | Store at -20C. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal                               |
| Clone                   | OT1E3                                    |
| Preservative            | 0.02% Sodium Azide                       |
| Isotype                 | IgG1                                     |
| Purity                  | Immunogen affinity purified              |
| Buffer                  | PBS (pH 7.3), 1.0% BSA and 50% Glycerol  |
| Target Molecular Weight | 79.2 kDa                                 |

| Product Description |  |
|---------------------|--|
| Host                | Mouse  |
| Gene ID             | 960  |
| Gene Symbol         | CD44   |
| Species             | Human, Mouse   |
| Reactivity Notes    | Mouse reactivity reported in scientific literature (PMID: 29414870). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions. |
| Immunogen           | Full length human recombinant protein of human CD44(NP_000601) produced in HEK293T cell.   |

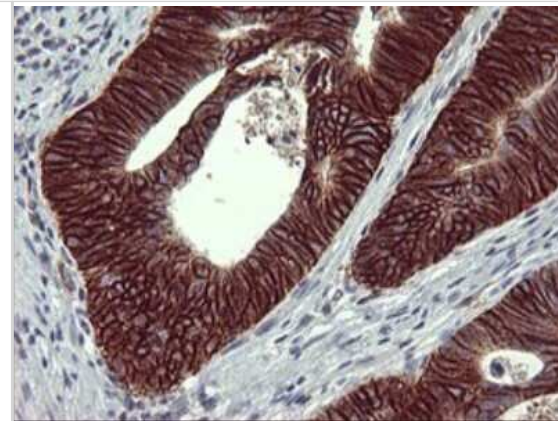
| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence   |
| Recommended Dilutions       | Western Blot 1:400 - 8000, Flow Cytometry 1:50, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150, Immunofluorescence 1:100 |

**Images**

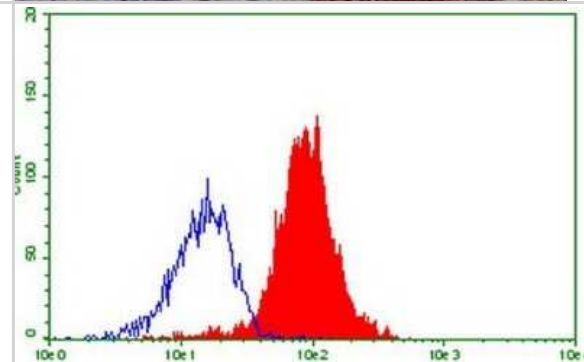
Western Blot: CD44 Antibody (OT1E3) [NBP2-46151] - Analysis of HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD44.



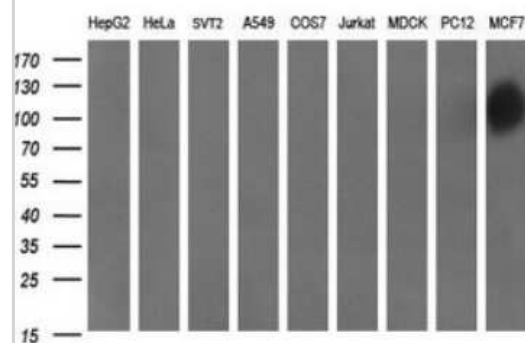
Immunohistochemistry: CD44 Antibody (OTI1E3) [NBP2-46151] - Analysis of Carcinoma of Human pancreas tissue.



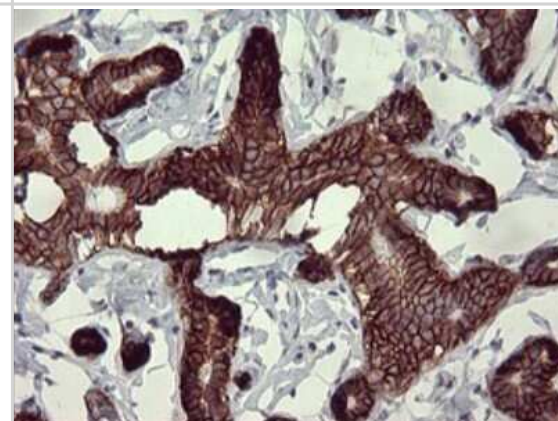
Flow Cytometry: CD44 Antibody (OTI1E3) [NBP2-46151] - Analysis of Color205 cells, using CD44 antibody (Red), compared to a nonspecific negative control antibody (Blue).



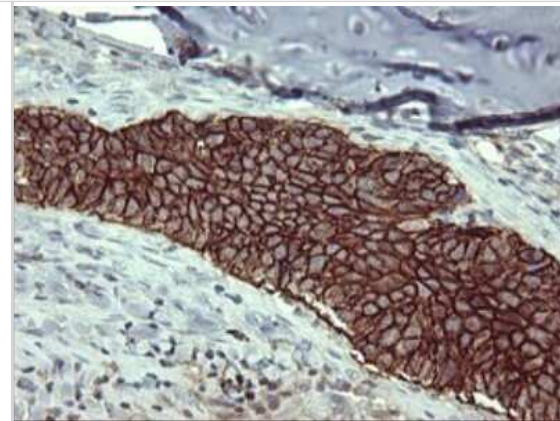
Western Blot: CD44 Antibody (OTI1E3) [NBP2-46151] - Analysis of extracts (35ug) from 9 different cell lines (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



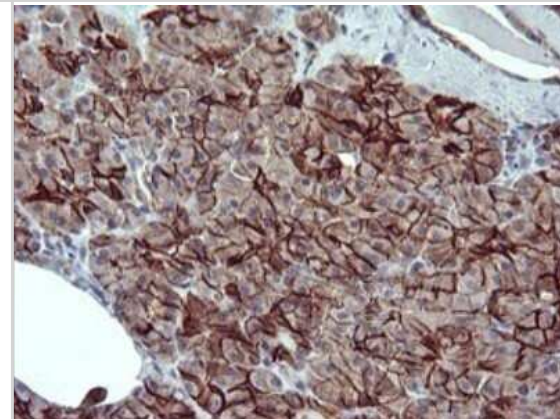
Immunohistochemistry: CD44 Antibody (OTI1E3) [NBP2-46151] - Analysis of Human breast tissue.



Immunohistochemistry: CD44 Antibody (OT11E3) [NBP2-46151] - Analysis of Carcinoma of Human lung tissue.



Immunohistochemistry: CD44 Antibody (OT11E3) [NBP2-46151] - Analysis of Human pancreas tissue.



Immunofluorescence: CD44 Antibody (OT11E3) [NBP2-46151] - Analysis of COS7 cells transiently transfected by pCMV6-ENTRY CD44.



## Publications

Joddar B, Tasnim N, Thakur V et al. Delivery of Mesenchymal Stem Cells from Gelatin-Alginate Hydrogels to Stomach Lumen for Treatment of Gastroparesis. Bioengineering (Basel) 2018-02-07 [PMID: 29414870] (IF/IHC, Mouse)



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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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