

# Product Datasheet

## Calpain 7 Antibody NBP2-14436

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-14436****Calpain 7 Antibody****Product Information**

|                      |                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 0.1 ml                                                                                                           |
| <b>Concentration</b> | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| <b>Clonality</b>     | Polyclonal                                                                                                       |
| <b>Preservative</b>  | 0.02% Sodium Azide                                                                                               |
| <b>Isotype</b>       | IgG                                                                                                              |
| <b>Purity</b>        | Immunogen affinity purified                                                                                      |
| <b>Buffer</b>        | PBS (pH 7.2) and 40% Glycerol                                                                                    |

**Product Description**

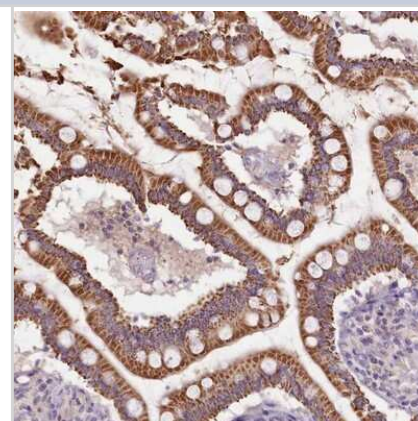
|                    |                                                                                                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>        | Rabbit                                                                                                                                                                                                         |
| <b>Gene ID</b>     | 23473                                                                                                                                                                                                          |
| <b>Gene Symbol</b> | CAPN7                                                                                                                                                                                                          |
| <b>Species</b>     | Human                                                                                                                                                                                                          |
| <b>Immunogen</b>   | This antibody was developed against a recombinant protein corresponding to the amino acids:<br>AVFYYKEAAQALIYAEMAGSSLENIQEKITEYLERVQALHSAVQSKSADPLKSK<br>HQLDLERAHFLVTQAFDEDEKENVEDAIELYTEAVDLCLKTSYETADKVLQNK |

**Product Application Details**

|                              |                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------|
| <b>Applications</b>          | Immunohistochemistry, Immunohistochemistry-Paraffin                                 |
| <b>Recommended Dilutions</b> | Immunohistochemistry 1:2500 - 1:5000, Immunohistochemistry-Paraffin 1:2500 - 1:5000 |
| <b>Application Notes</b>     | For IHC-Paraffin, HIER pH 6 retrieval is recommended.                               |

**Images**

Immunohistochemistry-Paraffin: Calpain 7 Antibody [NBP2-14436] - Staining of human small intestine shows strong cytoplasmic positivity in glandular cells.

**Publications**

Kang N, Shan H, Wang J Et al. Calpain7 Negatively Regulates Human Endometrial Stromal Cell Decidualization in Endometriosis by Promoting FoxO1's Phosphorylation and Nuclear Exclusion via Hydrolyzing AKT1 Biol Reprod 2022 -02-22 [PMID: 35191464]



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### **Products Related to NBP2-14436**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP2-14436PEP | Calpain 7 Recombinant Protein Antigen               |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |

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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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