

# Product Datasheet

## ADAM10 Antibody (CL13809) - Azide and BSA Free NBP3-43797

Unit Size: 100 ug

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

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**NBP3-43797**

ADAM10 Antibody (CL13809) - Azide and BSA Free

**Product Information**

|                                    |  |
|------------------------------------|--|
| <b>Unit Size</b>                   | 100 ug   |
| <b>Concentration</b>               | LYOPH mg/ml  |
| <b>Storage</b>                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.   |
| <b>Clonality</b>                   | Monoclonal   |
| <b>Clone</b>                       | CL13809  |
| <b>Preservative</b>                | No Preservative  |
| <b>Reconstitution Instructions</b> | Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml. |
| <b>Isotype</b>                     | IgG1   |
| <b>Purity</b>                      | Protein A purified   |
| <b>Buffer</b>                      | Lyophilized from a 0.2 um filtered solution in PBS with Trehalose  |

**Product Description**

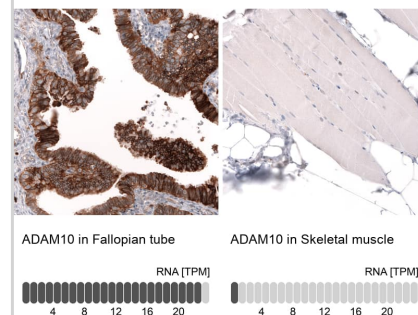
|                    |   |
|--------------------|---|
| <b>Host</b>        | Mouse   |
| <b>Gene ID</b>     | 102   |
| <b>Gene Symbol</b> | ADAM10  |
| <b>Species</b>     | Human   |
| <b>Immunogen</b>   | This antibody was generated using a synthetic peptide of O14672, with the exact immunogen sequence remaining proprietary. |

**Product Application Details**

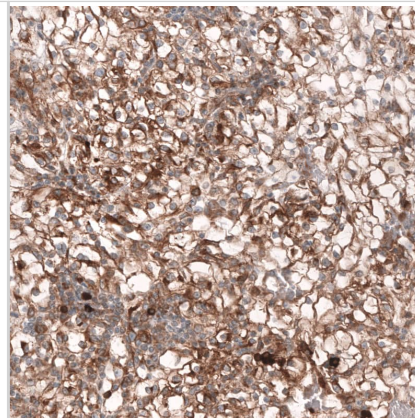
|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin   |
| <b>Recommended Dilutions</b> | Western Blot 1 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000  |
| <b>Application Notes</b>     | For IHC-Paraffin, we recommend using Heat-Induced Epitope Retrieval (HIER) with a pH level of 6. This optimized retrieval method ensures the best results for your experiments. |

**Images**

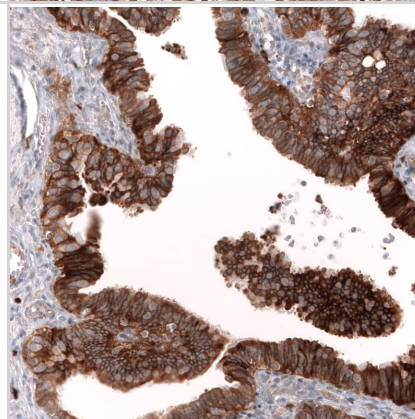
Analysis in human fallopian tube and skeletal muscle tissues using NBP3-43797 antibody. Corresponding ADAM10 RNA-seq data are presented for the same tissues.



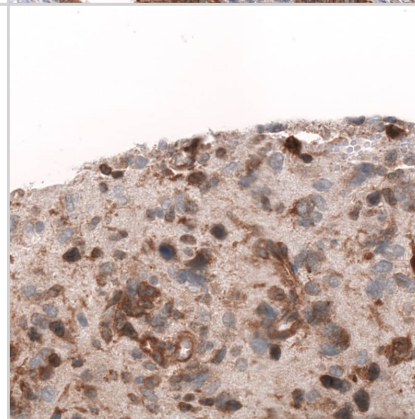
Staining of human kidney cancer shows moderate to strong membranous positivity in tumor cells.



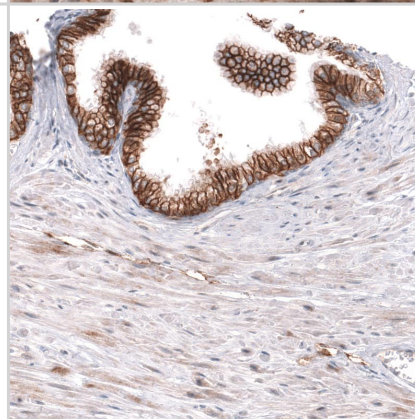
Staining of human fallopian tube shows strong membranous positivity in glandular cells.



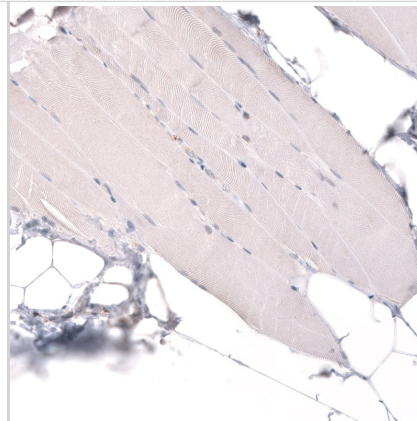
Staining of human glioblastoma multiforme shows moderate to strong cytoplasmic positivity in tumor cells.



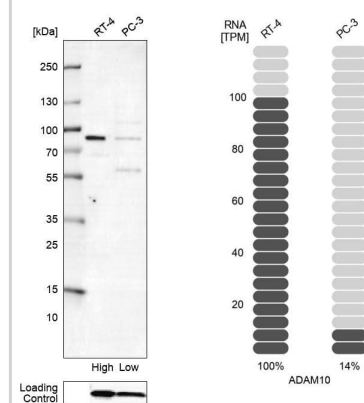
Staining of human prostate shows strong membranous positivity in glandular cells.



Staining of human skeletal muscle shows no positivity in myocytes as expected.



Analysis in human cell lines RT-4 and PC-3 using Anti-ADAM10 antibody. Corresponding ADAM10 RNA-seq data are presented for the same cell lines. Loading control: Anti-PFN1.





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### **Products Related to NBP3-43797**

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|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1)                        |
| NBP1-76973PEP    | ADAM10 Antibody Blocking Peptide                        |

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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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