

# Product Datasheet

## ASTE1 Antibody - BSA Free NBP1-81661

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 1

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Updated 9/9/2025 v.20.1

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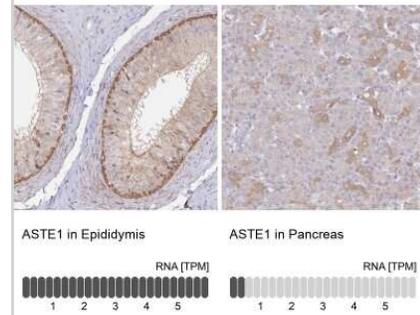
**NBP1-81661**

ASTE1 Antibody - BSA Free

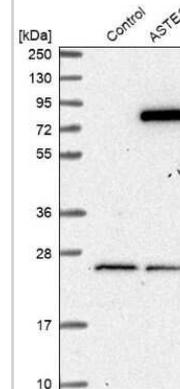
| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 0.1 ml   |
| Concentration               | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.   |
| Storage                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.   |
| Clonality                   | Polyclonal   |
| Preservative                | 0.02% Sodium Azide   |
| Isotype                     | IgG  |
| Purity                      | Immunogen affinity purified  |
| Buffer                      | PBS (pH 7.2) and 40% Glycerol  |
| Product Description         |  |
| Description                 | Novus Biologicals Rabbit ASTE1 Antibody - BSA Free (NBP1-81661) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-ASTE1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                        | Rabbit   |
| Gene ID                     | 28990  |
| Gene Symbol                 | ASTE1  |
| Species                     | Human  |
| Reactivity Notes            | Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (86%)   |
| Immunogen                   | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>CFVQCFSEADRDIMTLANHWNCPLVSSDSDFCIFDLKTGFCPLNSFQWRNMNT<br>IKGTQNYIPAKCFSLDAFCHHFSNMNKALLPLFAVLCGNDHVNLPIME   |
| Product Application Details |  |
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry   |
| Recommended Dilutions       | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000   |
| Application Notes           | For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.  |

## Images

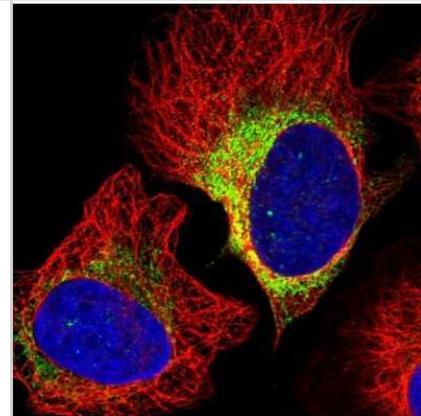
Immunohistochemistry-Paraffin: ASTE1 Antibody [NBP1-81661] - Staining in human epididymis and pancreas tissues using anti-ASTE1 antibody. Corresponding ASTE1 RNA-seq data are presented for the same tissues.



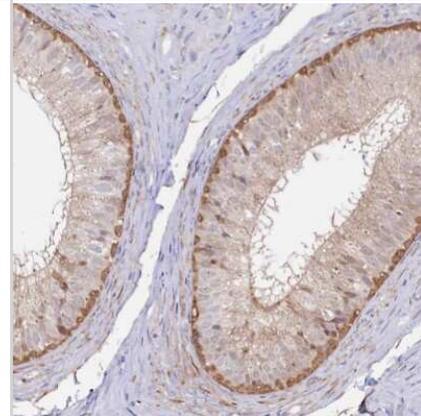
Western Blot: ASTE1 Antibody [NBP1-81661] - Analysis in control (vector only transfected HEK293T lysate) and ASTE1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



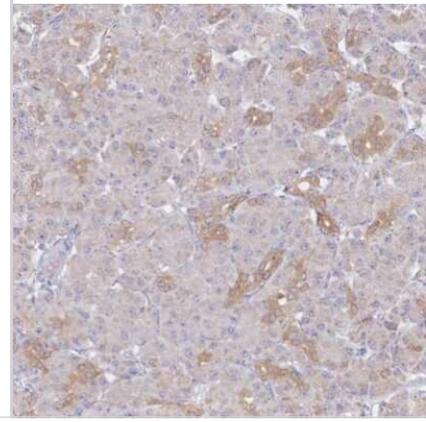
Immunocytochemistry/Immunofluorescence: ASTE1 Antibody [NBP1-81661] - Staining of human cell line U-2 OS shows localization to endoplasmic reticulum. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: ASTE1 Antibody [NBP1-81661] - Staining of human epididymis shows high expression.



Immunohistochemistry-Paraffin: ASTE1 Antibody [NBP1-81661] - Staining of human pancreas shows low expression as expected.



## Publications

AM Refaat, M Nakata, A Husain, H Kosako, T Honjo, NA Begum HNRNPU facilitates antibody class-switch recombination through C-NHEJ promotion and R-loop suppression Cell Reports, 2023-03-20;42(3):112284. 2023-03-20 [PMID: 36943867]



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### **Products Related to NBP1-81661**

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|               |   |
|---------------|---|
| NBP1-81661PEP | ASTE1 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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