

# Product Datasheet

## Transthyretin/Prealbumin Antibody - BSA Free NBP1-89649

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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**NBP1-89649****Transthyretin/Prealbumin Antibody - BSA Free**

| <b>Product Information</b> |  |
|----------------------------|--|
| <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>              | Affinity purified  |
| <b>Buffer</b>              | PBS (pH 7.2) and 40% Glycerol  |

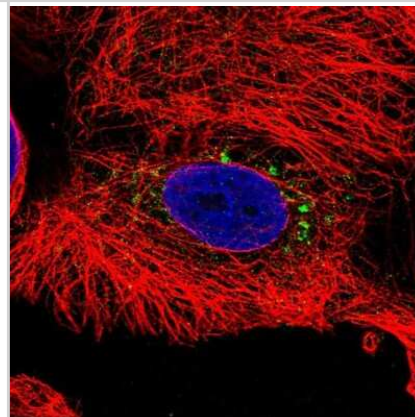
| <b>Product Description</b> |   |
|----------------------------|---|
| <b>Description</b>         | Novus Biologicals Rabbit Transthyretin/Prealbumin Antibody - BSA Free (NBP1-89649) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Transthyretin/Prealbumin Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>                | Rabbit  |
| <b>Gene ID</b>             | 7276  |
| <b>Gene Symbol</b>         | TTR   |
| <b>Species</b>             | Human   |
| <b>Reactivity Notes</b>    | Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (81%), Rat (83%).  |
| <b>Immunogen</b>           | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>GTGESKCPMLMKVLDVAVRGSPAINVAVHVFRKAADDTWEPFASGKTSESGEL<br>HGLTTEEEFVEGIYKVEIDTKSYWKALGISPFHEHAEVVFTANDSGPRRYTIAAL<br>LSPYSYSTTAVVTNPKE  |

| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry  |
| <b>Recommended Dilutions</b>       | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500 |
| <b>Application Notes</b>           | IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.   |

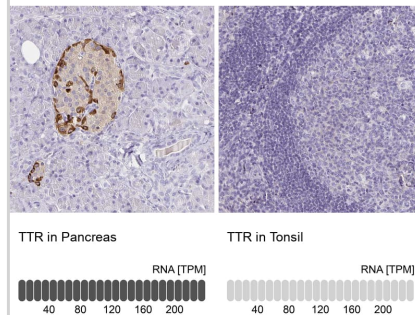


## Images

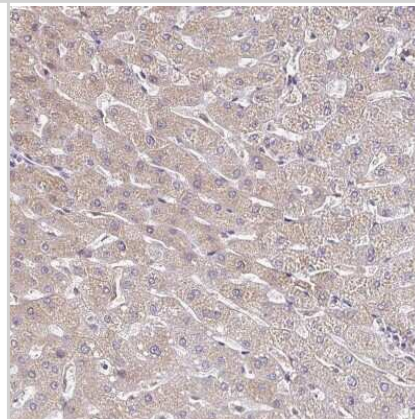
Immunocytochemistry/Immunofluorescence: Transthyretin/Prealbumin Antibody [NBP1-89649] - Staining of human cell line CACO-2 shows localization to the Golgi apparatus. Antibody staining is shown in green.



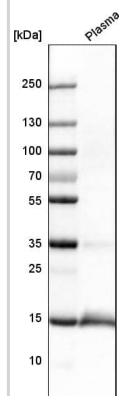
Staining of human liver shows moderate cytoplasmic positivity in hepatocytes.



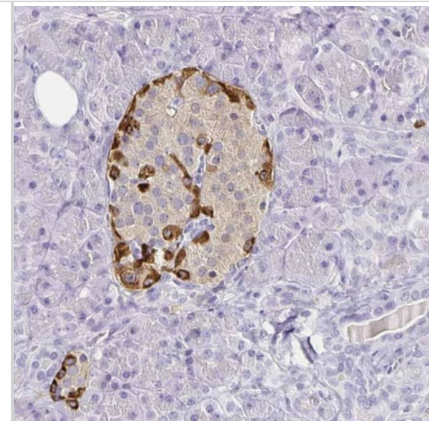
Immunohistochemistry-Paraffin: Transthyretin/Prealbumin Antibody [NBP1-89649] - Staining of human liver shows moderate cytoplasmic positivity in hepatocytes.



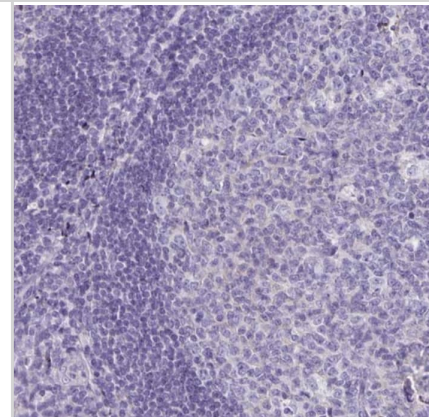
Analysis in human plasma.



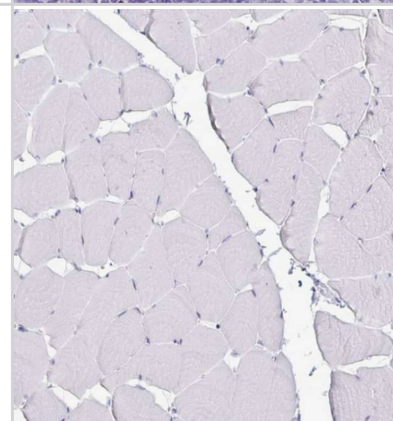
Staining of human pancreas shows strong cytoplasmic positivity in islets of Langerhans.



Staining of human tonsil shows no cytoplasmic positivity in lymphoid cells as expected.



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



## Publications

Liu T, Zhang B, Jin X et al. Ophthalmic manifestations in a Chinese family with familial amyloid polyneuropathy due to a TTR Gly83Arg mutation. *Eye (Lond)* 2014-01-01 [PMID: 24113303] (IF/IHC, Human)

Kato BS, Nicholson G, Neiman M et al. Variance decomposition of protein profiles from antibody arrays using a longitudinal twin model. *Proteome Sci* 2011-11-17 [PMID: 22093360]

Noborn F, O'Callaghan P, Hermansson E et al. Heparan sulfate/heparin promotes transthyretin fibrillization through selective binding to a basic motif in the protein. *Proc Natl Acad Sci U S A* 2011-04-01 [PMID: 21422279]



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### **Products Related to NBP1-89649**

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|               |  |
|---------------|--|
| NBP1-89649PEP | Transthyretin/Prealbumin Recombinant Protein Antigen |
| NBP2-33376H   | Blue Marker Antibody (6F4-F6) [HRP]                  |
| 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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