

# Product Datasheet

## TOM70 Antibody - BSA Free

### NBP1-87863

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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Updated 4/13/2025 v.20.1

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**NBP1-87863**

TOM70 Antibody - BSA Free

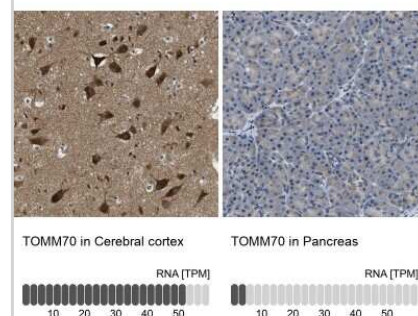
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	9868
Gene Symbol	TOMM70
Species	Human, Mouse
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: PLLSTQDFNMAADIDPQNADVHHRGQLKILLDQVEEAVADFDECIRLRPESAL AQAQKCFALYRQAYTGNNSSQIQAAAMKGFEEVIKKFPRCAEGYALYAQALTDQ QQFGKADEMYDKCIDLEPDNATT

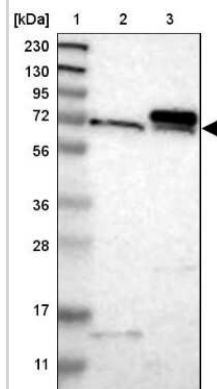
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western Verified by a customer review, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200-1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization, Use PFA/Triton X-100.

**Images**

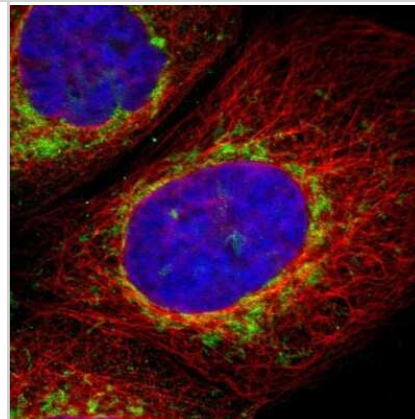
Immunohistochemistry-Paraffin: TOM70 Antibody [NBP1-87863] - Analysis in human cerebral cortex and pancreas tissues using NBP1-87863 antibody. Corresponding TOMM70 RNA-seq data are presented for the same tissues.



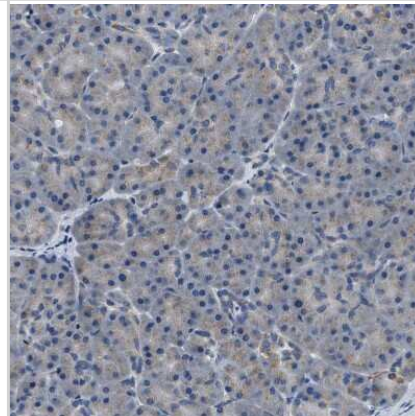
Western Blot: TOM70 Antibody [NBP1-87863] - Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp



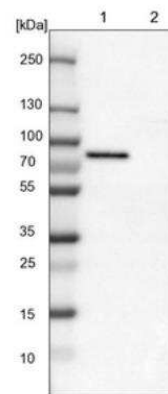
Immunocytochemistry/Immunofluorescence: TOM70 Antibody [NBP1-87863] - Immunofluorescent staining of human cell line A-431 shows localization to mitochondria.



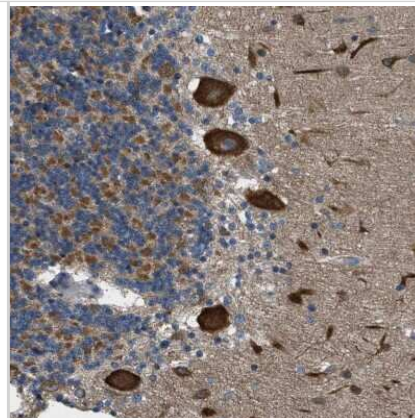
Immunohistochemistry-Paraffin: TOM70 Antibody [NBP1-87863] - Staining of human Pancreas shows very weak granular cytoplasmic positivity in exocrine glandular cells.



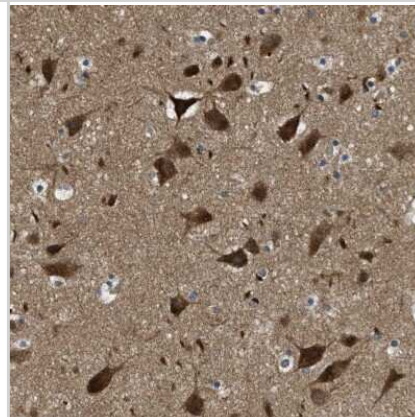
Western Blot: TOM70 Antibody [NBP1-87863] - Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells). Lane 2: NBT-II cell lysate (Rat Wistar bladder tumor cells).



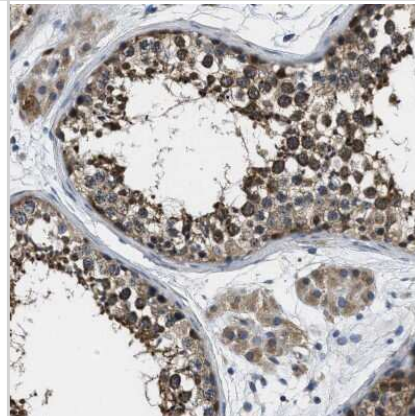
Immunohistochemistry-Paraffin: TOM70 Antibody [NBP1-87863] - Staining of human Cerebellum shows strong granular cytoplasmic positivity in Purkinje cells.



Immunohistochemistry-Paraffin: TOM70 Antibody [NBP1-87863] - Staining of human Cerebral cortex shows strong granular cytoplasmic positivity in neuronal cells.



Immunohistochemistry-Paraffin: TOM70 Antibody [NBP1-87863] - Staining of human Testis shows moderate granular cytoplasmic positivity in cells in seminiferous ducts and Leydig cells.



Simple Western: TOM70 Antibody [NBP1-87863] - Detection of TOM70 in purified mitochondrial (lanes 1-3 at 1:100, 1:50 and 1:25 dilutions, respectively) and cytosol (lane 4 at 1:25 dilution) preparations of SVG-A cells. Image from verified customer review.



## Publications

Andres-Benito P, Gelpi E, Povedano M et al. Gene Expression Profile in Frontal Cortex in Sporadic Frontotemporal Lobar Degeneration-TDP. *J Neuropathol Exp Neurol* 2018-05-19 [PMID: 29788265] (WB, Human)

Sotgia F, Whitaker-Menezes D, Martinez-Outschoorn UE et al. Mitochondria fuel breast cancer metabolism: Fifteen markers of mitochondrial biogenesis label epithelial cancer cells, but are excluded from adjacent stromal cells. *Cell Cycle* 2012-12-01 [PMID: 23172368] (IF/IHC, Human)





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### **Products Related to NBP1-87863**

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NBP1-87863PEP	TOM70 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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