

# 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.

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**NBP1-87863**

TOM70 Antibody - BSA Free

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

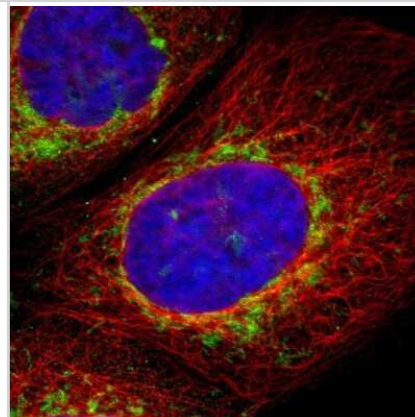
Product Description	
<b>Description</b>	Novus Biologicals Rabbit TOM70 Antibody - BSA Free (NBP1-87863) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-TOM70 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	9868
<b>Gene Symbol</b>	TOMM70
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: PLLSTQDFNMAADIDPQNADVYHHRGQLKILLDQVEEAVADFDECIRLRPESAL AQAQKCFALYRQAYTGNNSSQIQAAAMKGFEEVIKKFPRCAEGYALYAQALTDQ QQFGKADEMYDKCIDLEPDNATT

Product Application Details	
<b>Applications</b>	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization, Use PFA/Triton X-100. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Purified mitochondrial and cytosol preparations of SVG-A cells, separated by Size, antibody dilution of 1:100

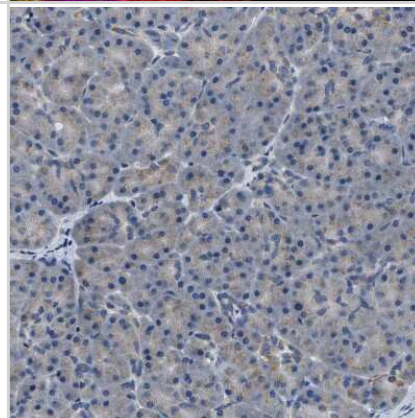


**Images**

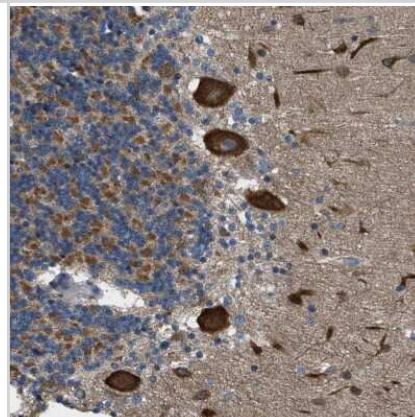
Immunocytochemistry/Immunofluorescence: TOM70 Antibody [NBP1-87863] - Immunofluorescent staining of human cell line A-431 shows localization to mitochondria.



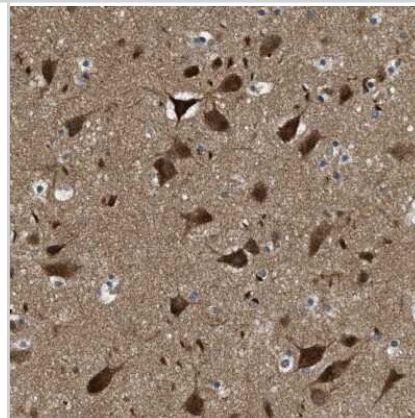
Immunohistochemistry-Paraffin: TOM70 Antibody [NBP1-87863] - Staining of human Pancreas shows very weak granular cytoplasmic positivity in exocrine glandular cells.



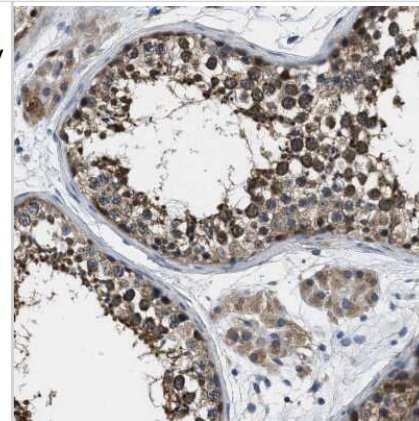
Immunohistochemistry-Paraffin: TOM70 Antibody [NBP1-87863] - Staining of human Cerebellum shows strong granular cytoplasmic positivity in Purkinje cells.



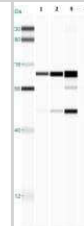
Immunohistochemistry-Paraffin: TOM70 Antibody [NBP1-87863] - Staining of human Cerebral cortex shows strong granular cytoplasmic positivity in neuronal cells.



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



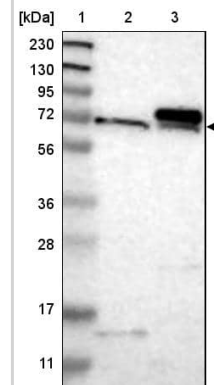
Simple Western: TOM70 Antibody [NBP1-87863] - Detection of TOM70 in purified mitochondrial (lanes 1-3 at 1:100, 1:50 and 1:25 dilutions, respectively) and cytosol (lane 4 at 1:25 dilution) preparations of SVG-A cells. Image from verified customer review.



Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11

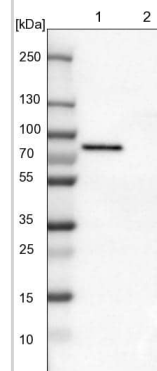
Lane 2: Human cell line RT-4

Lane 3: Human cell line U-251MG sp

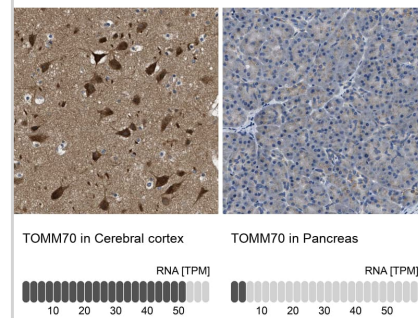


Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells)

Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells)



Analysis in human cerebral cortex and pancreas tissues using HPA014589 antibody. Corresponding TOMM70 RNA-seq data are presented for the same tissues.



## Publications

Cheema N, Pham L, Nazarian A et al. Effects of 810 nm treatments in acute myofiber contraction of C2C12 myotubes. PLoS ONE 2025-06-27 [PMID: 40577269]

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
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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