Product Datasheet

TOMM22 Antibody - BSA Free
NBP1-80671

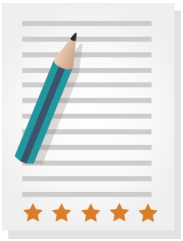
Unit Size: 0.1 ml

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

Publications: 5

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-80671

Updated 12/2/2025 v.20.1



NBP1-80671

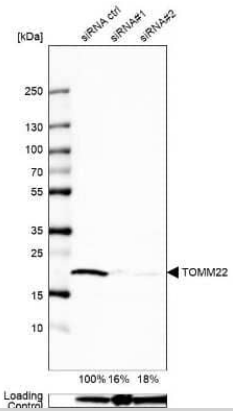
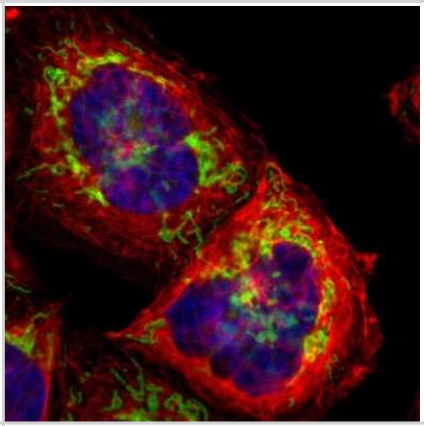
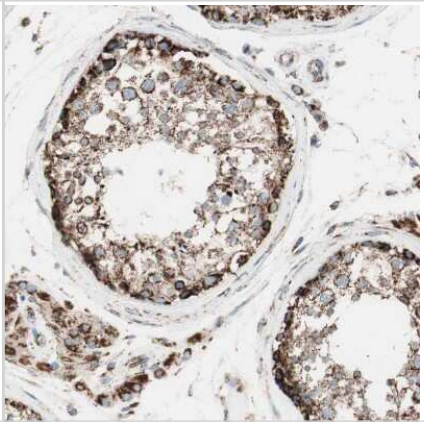
TOMM22 Antibody - BSA Free

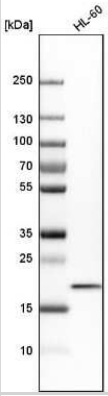
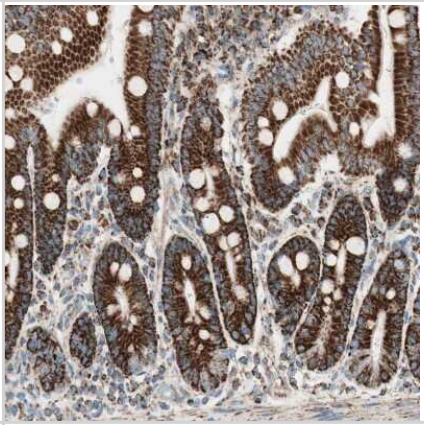
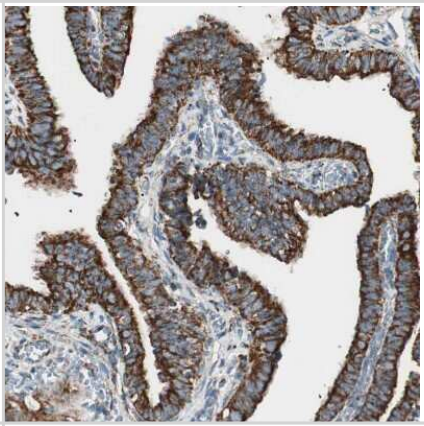
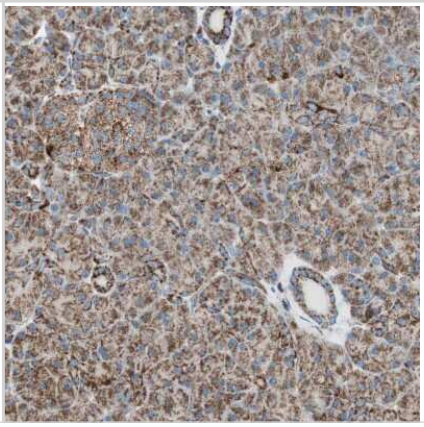
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit TOMM22 Antibody - BSA Free (NBP1-80671) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-TOMM22 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	56993
Gene Symbol	TOMM22
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in (PMID: 30386187). Rat (89%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MAAAVAAAGAGEPQSPDELLPKGDAEKPEEELEEDDDEELDETLSERLWGLT EMFPERVRSAAGATFDLSLFVAQK

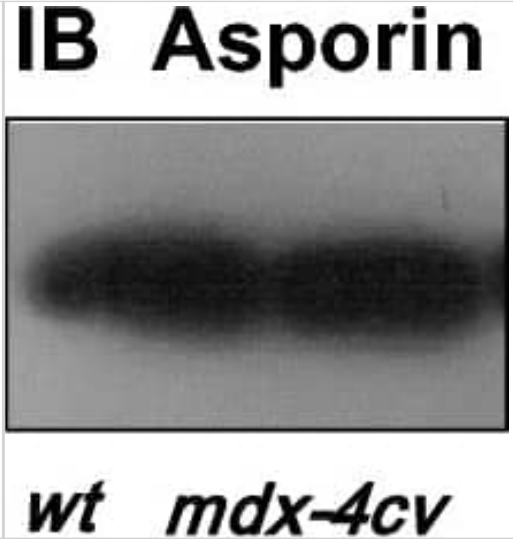
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2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

Images

Western Blot: TOMM22 Antibody [NBP1-80671] - Analysis in U2OS cells transfected with control siRNA, target specific siRNA probe #1 and #2,. Remaining relative intensity is presented. Loading control: Anti-GAPDH.	
Western Blot: TOMM22 Antibody [NBP1-80671] - Comparative immunoblot analysis of normal wild type versus mdx-4cv liver extracts. Immunoblots with expanded views of labelling with antibodies to the mitochondrial outer membrane protein translocation pore subunit TOM22 (NBP1-80671) and asporin (NBP2-15492). Image collected and cropped by CiteAb from the following publication (https://clinicalproteomicsjournal.biomedcentral.com/articles/10.1186/s12014-018-9212-2) licensed under a CC-BY license.	
Immunocytochemistry/Immunofluorescence: TOMM22 Antibody [NBP1-80671] - Staining of human cell line A-431 shows localization to mitochondria. Antibody staining shown in green.	
Immunohistochemistry-Paraffin: TOMM22 Antibody [NBP1-80671] - Staining of human testis shows strong granular cytoplasmic positivity in cells in seminiferous ducts and Leydig cells..	

Western Blot: TOMM22 Antibody [NBP1-80671] - Analysis in human cell line HL-60.	
Immunohistochemistry-Paraffin: TOMM22 Antibody [NBP1-80671] - Staining of human duodenum shows strong granular cytoplasmic positivity in glandular cells.	
Immunohistochemistry-Paraffin: TOMM22 Antibody [NBP1-80671] - Staining of human fallopian tube shows strong granular cytoplasmic positivity in glandular cells.	
Immunohistochemistry-Paraffin: TOMM22 Antibody [NBP1-80671] - Staining of human pancreas shows moderate granular cytoplasmic positivity.	

Western Blot: TOMM22 Antibody [NBP1-80671] - Comparative immunoblot analysis of normal wild type versus mdx-4cv liver extracts. Shown is a representative silver-stained SDS-PAGE gel & corresponding immunoblots with expanded views of labelling with antibodies to the fatty acid binding protein isoforms FABP1 & FABP5, as well as ferritin light chain, carbonic anhydrase isoform CA3, the voltage-dependent anion channel VDAC-1, the mitochondrial outer membrane protein translocation pore subunit TOM22, fibronectin & asporin. Lanes 1 & 2 represent total extracts from control wild type (wt) liver & mdx-4cv liver, respectively. Molecular mass standards (in kDa) are indicated at the left of the gel image. Graphical representations of the immuno-decoration levels of FABP1 & FABP5 are shown (Y-axis: % control): Student's t test, unpaired; n = 4; *p < 0.05 Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/30386187), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Liu X, Liu Y, Yang RX et al. Loss of myeloid Tsc2 predisposes to angiotensin II-induced aortic aneurysm formation in mice Cell death & disease 2022-11-18 [PMID: 36400753] (Mouse)

Farini A, Tripodi L, Villa C et al. Inhibition of the immunoproteasome modulates innate immunity to ameliorate muscle pathology of dysferlin-deficient BlAJ mice Cell death & disease 2022-11-19 [PMID: 36402750]

Murphy S, Zweyer M, Henry M et al. Proteomic profiling of liver tissue from the mdx-4cv mouse model of Duchenne muscular dystrophy Clin Proteom 2018-12-01 [PMID: 30386187] (WB, Mouse)

Guantes R, Rastrojo A, Neves R et al. Global variability in gene expression and alternative splicing is modulated by mitochondrial content. Genome Res 2015-05-01 [PMID: 25800673]

Latil M, Rocheteau P, Chatre L et al. Skeletal muscle stem cells adopt a dormant cell state post mortem and retain regenerative capacity. Nat Commun 2012-06-01 [PMID: 22692546]

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Products Related to NBP1-80671

NBP1-80671PEP	TOMM22 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

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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