

Product Datasheet

TOM70 Antibody - Azide and BSA Free NB110-58347

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 4

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Updated 9/9/2025 v.20.1

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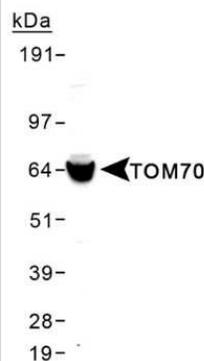
NB110-58347

TOM70 Antibody - Azide and BSA Free

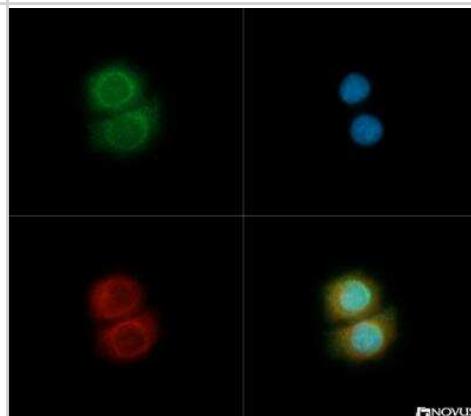
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	67 kDa
Product Description	
Description	Novus Biologicals Rabbit TOM70 Antibody - Azide and BSA Free (NB110-58347) is a polyclonal antibody validated for use in WB, ICC/IF and Simple Western. Anti-TOM70 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9868
Gene Symbol	TOMM70
Species	Human, Mouse, Rat, Rabbit
Reactivity Notes	Rabbit reactivity reported in scientific literature (PMID: 22292033).
Immunogen	A synthetic peptide made to a region within residues 1-100 of the human TOM70 protein. [Swiss-Prot# O94826]
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500, Simple Western 1:50, Immunocytochemistry/ Immunofluorescence 1:100
Application Notes	<p>This TOM70 antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where a band is seen at approx. 67 kDa. In ICC/IF mitochondrial staining was observed in MCF7 cells.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.</p> <p>See Simple Western Antibody Database for Simple Western validation: Tested in MCF-7 lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:50, apparent MW was 63 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.</p> <p>The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.</p>

Images

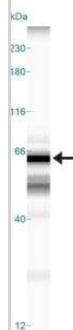
Western Blot: TOM70 Antibody [NB110-58347] - Detection of TOM70 in MCF7 mitochondrial lysate



Immunocytochemistry/Immunofluorescence: TOM70 Antibody [NB110-58347] - TOM70 antibody was tested in MCF7 cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).



Simple Western: TOM70 Antibody [NB110-58347] - Simple Western lane view shows a specific band for TOM70 in 0.5 mg/ml of MCF-7 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Filadi R, Leal NS, Schreiner B et al. TOM70 Sustains Cell Bioenergetics by Promoting IP3R3-Mediated ER to Mitochondria Ca²⁺ Transfer. *Curr Biol* 2018-01-27 [PMID: 29395920] (Human)

Kang BH, Xia F, Pop R et al. Developmental control of apoptosis by the immunophilin aryl hydrocarbon receptor-interacting protein (AIP) involves mitochondrial import of the survivin protein *J Biol Chem* 2011-05-01 [PMID: 21454573] (WB, Human)

Nakamura Y, Kitamura N, Shinogi D et al. BNIP3 and NIX Mediate Mieap-Induced Accumulation of Lysosomal Proteins within Mitochondria. *PLoS One*. 2012-01-26 [PMID: 22292033] (ICC/IF, Rabbit)

Miyamoto T, Kitamura N, Ono M et al. Identification of 14-3-3gamma as a Mieap-interacting protein and its role in mitochondrial quality control. *Sci Rep*. 2012-04-24 [PMID: 22532927] (WB, Human)



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Products Related to NB110-58347

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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