

Product Datasheet

TPT1/TCTP Antibody (2A3) - Azide and BSA Free H00007178-M06

Unit Size: 0.1 mg

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

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H00007178-M06

TPT1/TCTP Antibody (2A3) - Azide and BSA Free

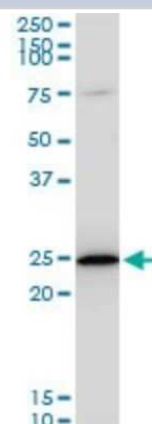
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2A3
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	7178
Gene Symbol	TPT1
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Immunogen	TPT1 (AAH22436, 35 a.a. ~ 138 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. GVDIVMNHHLQETSFTKEAYKKYIKDYMKSIKGLKLEEQRPVVKPFMTGAAEQI KHILANFKNYQFFIGENMNPDGMVALLDYREDGVTPYMIFFKDGLEMEKC
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

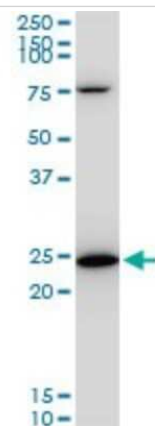
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot, ELISA
Application Notes	It has been used for ELISA and WB.

Images

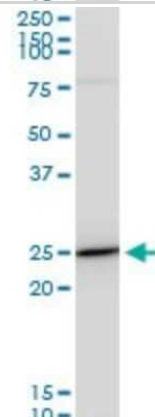
Western Blot: TPT1/TCTP Antibody (2A3) [H00007178-M06] - Analysis of TPT1 expression in NIH/3T3.



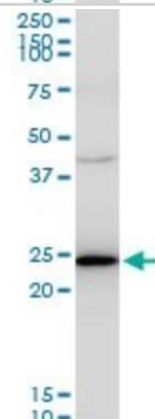
Western Blot: TPT1/TCTP Antibody (2A3) [H00007178-M06] - Analysis of TPT1 expression in PC-12.



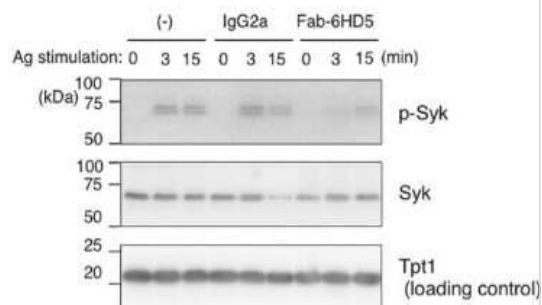
Western Blot: TPT1/TCTP Antibody (2A3) [H00007178-M06] - Analysis of TPT1 expression in IMR-32.



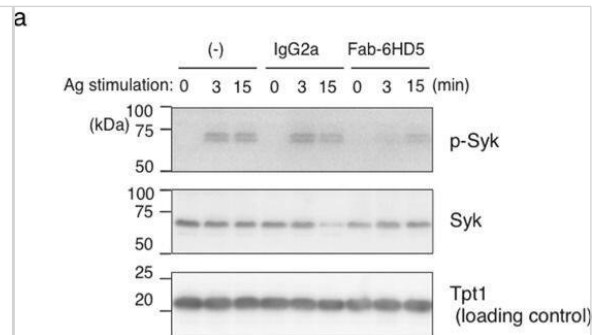
Western Blot: TPT1/TCTP Antibody (2A3) [H00007178-M06] - Analysis of TPT1 expression in Raw 264.7.



Western Blot: TPT1/TCTP Antibody (2A3) [H00007178-M06] - Fab-6HD5^a inhibits mast cell degranulation. RBL-2H3 cells were sensitized overnight with IgE (SPE-7) and further incubated with a serial dilution of highly purified Fab-6HD5 (2-20 ug/ml) for 2 hours at 37 C. After washing, cells were incubated with DNP-BSA for 1 hour at 37 C. The supernatant was then incubated with p-nitrophenyl N-acetyl-beta-D-glucosamine (PNAG) for 1 hour at 4 C. IgE-mediated degranulation was monitored by beta-hexosaminidase activity. The amount of beta-hexosaminidase was determined by measuring the optical density at 405 nm. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-018-32200-z>), licensed under a CC-BY license.



Western Blot: TPT1/TCTP Antibody (2A3) [H00007178-M06] - (a) Fab-6HD5 inhibits mast cell degranulation. RBL-2H3 cells were sensitized overnight with IgE (SPE-7) & further incubated with a serial dilution of highly purified Fab-6HD5 (2–20 $\mu\text{g/ml}$) for 2 hours at 37 °C. After washing, cells were incubated with DNP-BSA for 1 hour at 37 °C. The supernatant was then incubated with p-nitrophenyl N-acetyl-beta-D-glucosamine (PNAG) for 1 hour at 4 °C. IgE-mediated degranulation was monitored by β -hexosaminidase activity. The amount of β -hexosaminidase was determined by measuring the optical density at 405 nm. (b) Fab-6HD5 inhibits Syk phosphorylation. RBL-2H3 cells were incubated with anti-TNP IgE (0.5 $\mu\text{g/ml}$) for 1 hour. Cells were further incubated with highly purified 6HD5-Fab (2 $\mu\text{g/ml}$) or control IgG2a overnight. After washing, cells were stimulated with TNP26-BSA (100 ng/ml) for indicated periods & cell extracts were subjected to Western blotting. Proteins were detected with anti-phosphorylated Syk, anti-Syk, & anti-Tpt1 antibodies followed by HRP-conjugated anti-rabbit or anti-mouse antibody. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30250145>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Nusair SD, Joukhan AN, Rashaid AB, Rababa'h AM et al. Methomyl induced effect on fortilin and S100A1 in serum and cardiac tissue: Potential biomarkers of toxicity. *Hum Exp Toxicol*. 2018-11-25 [PMID: 30472887]

Ando T, Kashiwakura JI, Itoh-Nagato N et al. Histamine-releasing factor enhances food allergy. *J Clin Invest* 2017-11-13 [PMID: 29130935]

Hirano T, Koyanagi A, Kotoshiba K et al. The Fab fragment of anti-IgE Ce2 domain prevents allergic reactions through interacting with IgE-FcεRIα complex on rat mast cells. *Sci Rep* 2018-09-24 [PMID: 30250145] (WB, Rat)

Sinthujaroen P, Wanachottrakul N, Pinkaew D et al. Elevation of serum fortilin levels is specific for apoptosis and signifies cell death in vivo. *BBA Clinical*. 2014-01-01 [PMID: 25558447]



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Products Related to H00007178-M06

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP1-37085	Recombinant Human TPT1/TCTP His Protein

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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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