

Product Datasheet

PTP sigma/PTPRS Antibody (1H6) - Azide and BSA Free H00005802-M01

Unit Size: 0.1 mg

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

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H00005802-M01

PTP sigma/PTPRS Antibody (1H6) - 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	1H6
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

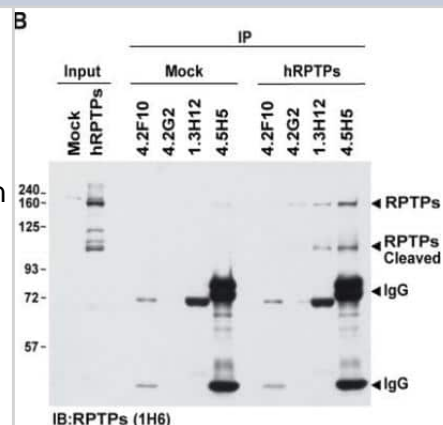
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	5802
Gene Symbol	PTPRS
Species	Human
Specificity/Sensitivity	PTPRS - protein tyrosine phosphatase, receptor type, S
Immunogen	PTPRS (AAH29496, 31 a.a. ~ 128 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. EPPRFIKEPKDQIGVSGGVASFVCQATGDPKPRVTWNKKGKKVNSQRFETIEF DESAGAVLRIQPLRTPRDENVYECVAQNSVGEITVHAKLTVLRGP
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunoprecipitation, Sandwich ELISA 1:100-1:2000
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

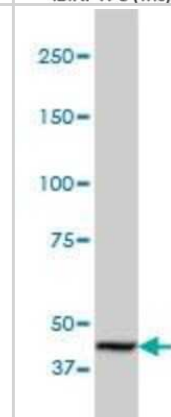


Images

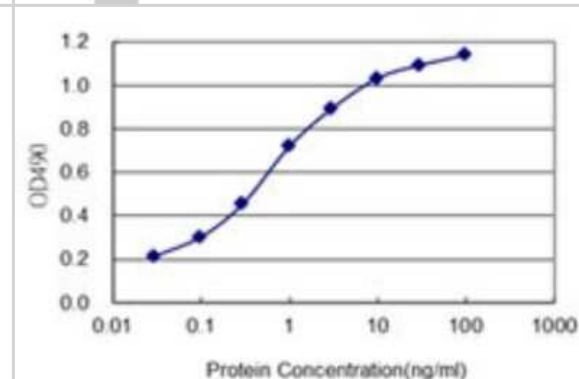
Immunoprecipitation: PTP sigma/PTPRS Antibody (1H6) [H00005802-M01] - Characterization of purified monoclonal antibodies targeting RPTP sigma. COS7 cells were transfected with either human RPTP sigma (hRPTP sigma) or mouse RPTP sigma (HA-mRPTPs) and 24 hrs post-transfection, immunoprecipitation (B) analysis was performed. Antibody 1H6 reacted with both forms was used as positive control. Actin was the loading controls. Image collected and cropped by CiteAb from the following publication (journals.plos.org/plosone/article?id=10.1371/journal.pone.0178489), licensed under a CC-BY license.



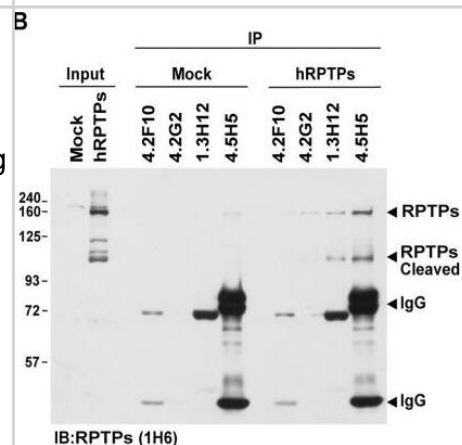
Western Blot: PTP sigma/PTPRS Antibody (1H6) [H00005802-M01] - PTPRS monoclonal antibody (M01), clone 1H6 Western Blot analysis of PTPRS expression in HeLa (Cat # L013V1).



Sandwich ELISA: PTP sigma/PTPRS Antibody (1H6) [H00005802-M01] - Detection limit for recombinant GST tagged PTPRS is 0.03 ng/ml as a capture antibody.



Western Blot: PTP sigma/PTPRS Antibody (1H6) [H00005802-M01] - Characterization of purified monoclonal antibodies targeting RPTPσ. COS7 cells were transfected with either human RPTPσ (hRPTPσ) or mouse RPTPσ (HA-mRPTPs) & 24 hrs post-transfection, western blot (A) & immunoprecipitation (B) analysis was performed using the indicated purified monoclonal antibodies. Antibody 1H6 reacted with both forms was used as positive control. Actin was the loading controls. C: Differentiated SH-SY5Y cells were immunostained using the purified 1.3H12 or 4.5H5 monoclonal antibodies for RPTPσ (green), Dapi for the nucleus (blue) & Phalloidin for actin (red). IgG was used as negative control. Image collected & cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0178489>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Wu CL, Hardy S, Aubry I et al. Identification of function-regulating antibodies targeting the receptor protein tyrosine phosphatase sigma ectodomain. PLoS One 2017-05-30 [PMID: 28558026]



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Products Related to H00005802-M01

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)
3430-PR-050	PTP sigma/PTPRS [Unconjugated]

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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