

Product Datasheet

ATP7A Antibody (S60-4) - BSA Free NBP2-59376

Unit Size: 100 ug

Store at -20C.

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Publications: 3

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NBP2-59376

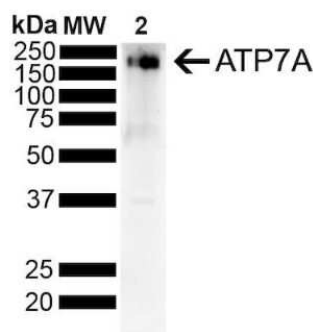
ATP7A Antibody (S60-4) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C.
Clonality	Monoclonal
Clone	S60-4
Preservative	0.09% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Description	Novus Biologicals Mouse ATP7A Antibody (S60-4) - BSA Free (NBP2-59376) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-ATP7A Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	538
Gene Symbol	ATP7A
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects the extracellular domain of LRP4 215kDa. Degradation product can be seen at approx 150kDa.
Immunogen	Synthetic peptide amino acids 42-61 (cytoplasmic C-terminus) of human Copper-transporting ATPase1
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Paraffin
Application Notes	Use in IHC-P reported in scientific literature (PMID:10.3892/etm.2021.10226)

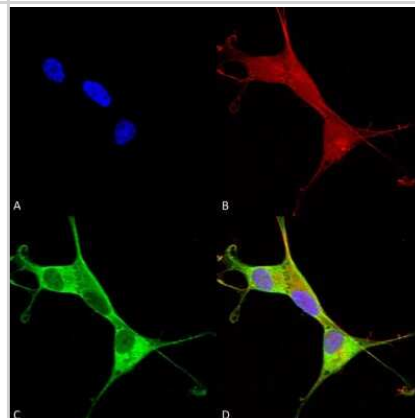


Images

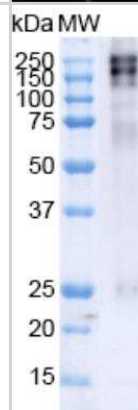
Western Blot: ATP7A Antibody (S60-4) [NBP2-59376] - Western Blot analysis of Rat Liver showing detection of ~180 kDa ATP7A protein using Mouse Anti-ATP7A Monoclonal Antibody, Clone S60-4 (NBP2-59376). Lane 1: MW Ladder. Lane 2: Rat Liver. Load: 10 ug. Block: 5% Skim Milk powder in TBST. Primary Antibody: Mouse ATP7A Monoclonal Antibody (NBP2-59376) at 1:500 for 2 hours at RT with shaking. Secondary Antibody: Goat anti-mouse IgG:HRP at 1:4000 for 1 hour at RT with shaking. Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT. Predicted/Observed Size: ~180 kDa.



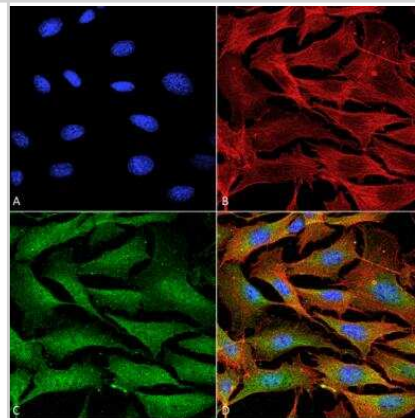
Immunocytochemistry/Immunofluorescence: ATP7A Antibody (S60-4) [NBP2-59376] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Copper Transporting ATPase 1 Monoclonal Antibody, Clone S60-4 (NBP2-59376). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Copper Transporting ATPase 1 Monoclonal Antibody (NBP2-59376) at 1:100 for overnight at 4C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Copper Transporting ATPase 1 Antibody (D) Composite.



Western Blot: ATP7A Antibody (S60-4) [NBP2-59376] - Analysis of Mouse Lung showing detection of >150 kDa Copper Transporting ATPase 1 protein using clone S60-4. 10 ug of sample was loaded and primary antibody was used at 1:1000. Predicted/Observed Size: ~160 kDa. Other band(s): 250 kDa.



Immunocytochemistry/Immunofluorescence: ATP7A Antibody (S60-4) [NBP2-59376] - Tissue: NIH 3T3 (Mouse Fibroblast cell line). Species: Mouse. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Copper Transporting ATPase 1 Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Endoplasmic Reticulum, Cytoplasm, Golgi Apparatus, Trans-Golgi Network Membrane, Cell Membrane. Magnification: 60X.



Publications

Shin VY, Liu MX, Siu JM et al. Inhibition of EP2 receptor suppresses tumor growth and chemoresistance of gastric cancer American journal of cancer research 2022-10-15 [PMID: 36381319] (WB, Human)

Solier S, Müller S, Cañeque T et al. A druggable copper-signalling pathway that drives inflammation Nature 2023-04-26 [PMID: 37100912] (WB, Mouse)

Tian H, Li Y, Mei J et al. Effects of Salvia miltiorrhiza extract on lung adenocarcinoma Experimental and Therapeutic Medicine 2021-05-25 [PMID: 34093750] (IHC-P, Mouse)





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Products Related to NBP2-59376

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
H00000538-Q01-10ug	Recombinant Human ATP7A GST (N-Term) Protein

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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