

AP2S1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant AP2S1.****Catalog # AT1153a****Specification**

AP2S1 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	P53680
Other Accession	BC006337
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	17018

AP2S1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 1175**Other Names**

AP-2 complex subunit sigma, Adaptor protein complex AP-2 subunit sigma, Adaptor-related protein complex 2 subunit sigma, Clathrin assembly protein 2 sigma small chain, Clathrin coat assembly protein AP17, Clathrin coat-associated protein AP17, HA2 17 kDa subunit, Plasma membrane adaptor AP-2 17 kDa protein, Sigma2-adaptin, AP2S1, AP17, CLAPS2

Target/Specificity

AP2S1 (AAH06337, 1 a.a. ~ 142 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

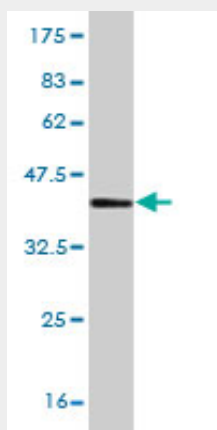
AP2S1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

AP2S1 Antibody (monoclonal) (M01) - Protocols

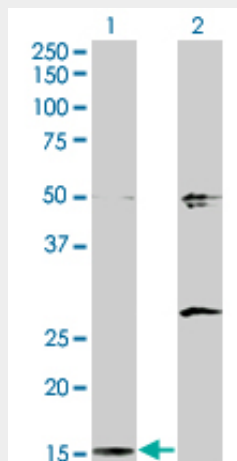
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AP2S1 Antibody (monoclonal) (M01) - Images



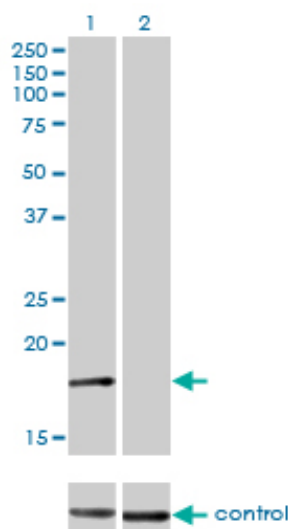
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (41.36 KDa) .



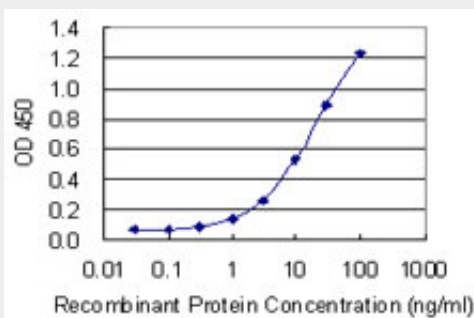
Western Blot analysis of AP2S1 expression in transfected 293T cell line by AP2S1 monoclonal antibody (M01), clone 3E4.

Lane 1: AP2S1 transfected lysate (17 KDa).

Lane 2: Non-transfected lysate.



Western blot analysis of AP2S1 over-expressed 293 cell line, cotransfected with AP2S1 Validated Chimera RNAi (Cat # AT1153a)



Detection limit for recombinant GST tagged AP2S1 is 0.3 ng/ml as a capture antibody.

AP2S1 Antibody (monoclonal) (M01) - Background

One of two major clathrin-associated adaptor complexes, AP-2, is a heterotetramer which is associated with the plasma membrane. This complex is composed of two large chains, a medium chain, and a small chain. This gene encodes the small chain of this complex. Alternative splicing has been observed in this gene and results in two known transcripts.

AP2S1 Antibody (monoclonal) (M01) - References

Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931. A conserved dileucine motif mediates clathrin and AP-2-dependent endocytosis of the HIV-1 envelope protein. Byland R, et al. Mol Biol Cell, 2007 Feb. PMID 17108326. Interaction of HIV-1 Gag with the clathrin-associated adaptor AP-2. Batnick M, et al. Virology, 2005 Nov 25. PMID 16139856. Human immunodeficiency virus Nef induces rapid internalization of the T-cell coreceptor CD8alpha beta. Stove V, et al. J Virol, 2005 Sep. PMID 16103193. PICK1 interacts with ABP/GRIP to regulate AMPA receptor trafficking. Lu W, et al. Neuron, 2005 Aug 4. PMID 16055064.