

AP4B1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17275c

Specification

AP4B1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O9Y6B7
Other Accession	O9WV76 , NP_006585.2
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	83260
Antigen Region	492-520

AP4B1 Antibody (Center) - Additional Information

Gene ID 10717

Other Names

AP-4 complex subunit beta-1, AP-4 adaptor complex subunit beta, Adaptor-related protein complex 4 subunit beta-1, Beta subunit of AP-4, Beta4-adaptin, AP4B1

Target/Specificity

This AP4B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 492-520 amino acids from the Central region of human AP4B1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

AP4B1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

AP4B1 Antibody (Center) - Protein Information

Name AP4B1 ([HGNC:572](#))

Function Component of the adaptor protein complex 4 (AP-4). Adaptor protein complexes are vesicle coat components involved both in vesicle formation and cargo selection. They control the vesicular transport of proteins in different trafficking pathways (PubMed:[10066790](#), PubMed:[10436028](#)). AP-4 forms a non clathrin-associated coat on vesicles departing the trans-Golgi network (TGN) and may be involved in the targeting of proteins from the trans-Golgi network (TGN) to the endosomal-lysosomal system. It is also involved in protein sorting to the basolateral membrane in epithelial cells and the proper asymmetric localization of somatodendritic proteins in neurons. AP-4 is involved in the recognition and binding of tyrosine-based sorting signals found in the cytoplasmic part of cargos, but may also recognize other types of sorting signal (Probable).

Cellular Location

Golgi apparatus, trans-Golgi network membrane; Peripheral membrane protein

Tissue Location

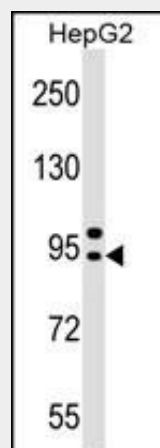
Widely expressed..

AP4B1 Antibody (Center) - 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](#)

AP4B1 Antibody (Center) - Images



AP4B1 Antibody (Center) (Cat. #AP17275c) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the AP4B1 antibody detected the AP4B1 protein (arrow).

AP4B1 Antibody (Center) - Background

The heterotetrameric adaptor protein (AP) complexes sort integral membrane proteins at various stages of the endocytic and secretory pathways. AP4 is composed of 2 large chains, beta-4

(AP4B1) and epsilon-4 (AP4E1; MIM 607244), a medium chain, mu-4 (AP4M1; MIM 602296), and a small chain, sigma-4 (AP4S1; MIM 607243).

AP4B1 Antibody (Center) - References

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Cayrol, C., et al. Biochem. Biophys. Res. Commun. 298(5):720-730(2002)
Takatsu, H., et al. Biochem. Biophys. Res. Commun. 284(4):1083-1089(2001)
Hirst, J., et al. Mol. Biol. Cell 10(8):2787-2802(1999)
Dell'Angelica, E.C., et al. J. Biol. Chem. 274(11):7278-7285(1999)