

AP3B1 Antibody (monoclonal) (M06)**Mouse monoclonal antibody raised against a partial recombinant AP3B1.****Catalog # AT1154a****Specification**

AP3B1 Antibody (monoclonal) (M06) - Product Information

Application	WB, E
Primary Accession	O00203
Other Accession	NM_003664
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	121320

AP3B1 Antibody (monoclonal) (M06) - Additional Information**Gene ID** 8546**Other Names**

AP-3 complex subunit beta-1, Adaptor protein complex AP-3 subunit beta-1, Adaptor-related protein complex 3 subunit beta-1, Beta-3A-adaptin, Clathrin assembly protein complex 3 beta-1 large chain, AP3B1, ADTB3A

Target/Specificity

AP3B1 (NP_003655, 995 a.a. ~ 1094 a.a) partial 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

AP3B1 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

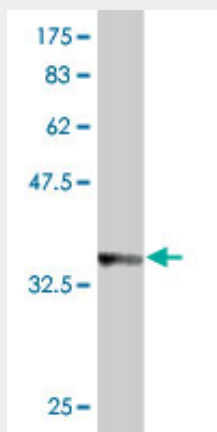
AP3B1 Antibody (monoclonal) (M06) - Protocols

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

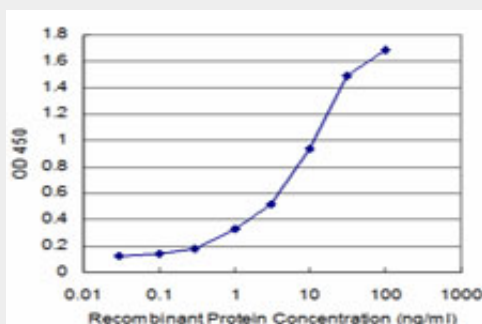
- [Western Blot](#)

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

AP3B1 Antibody (monoclonal) (M06) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged AP3B1 is approximately 0.3ng/ml as a capture antibody.

AP3B1 Antibody (monoclonal) (M06) - Background

This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is part of the heterotetrameric AP-3 protein complex which interacts with the scaffolding protein clathrin. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 2.

AP3B1 Antibody (monoclonal) (M06) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Inositol pyrophosphate mediated pyrophosphorylation of AP3B1 regulates HIV-1 Gag release. Azevedo C, et al. Proc Natl Acad Sci U S A, 2009 Dec 15. PMID 19934039. Gene-centric association signals for lipids and apolipoproteins identified via the

HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121. Two patients with Hermansky Pudlak syndrome type 2 and novel mutations in AP3B1. Wenham M, et al. Haematologica, 2010 Feb. PMID 19679886.