

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

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**AP3B1 Antibody (monoclonal) (M06) - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | WB, E                     |
| Primary Accession | <a href="#">O00203</a>    |
| Other Accession   | <a href="#">NM_003664</a> |
| 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

**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.

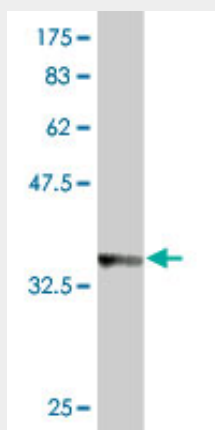
**AP3B1 Antibody (monoclonal) (M06) - Protocols**

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

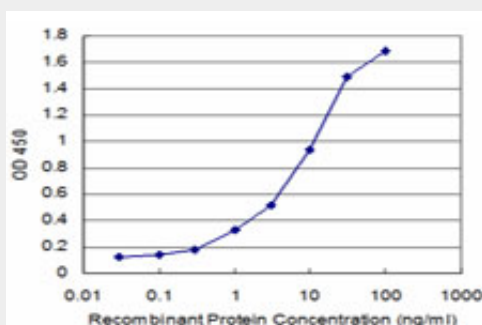
- [Western Blot](#)
- [Blocking Peptides](#)

- [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.