

AP3M1 mouse monoclonal antibody (hybridoma)

Catalog # H00026985-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant AP3M1.
Immunogen	AP3M1 (NP_036227.1, 1 a.a. ~ 418 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MIHSLFLINCSGDIFLEKHWKSVVSQSVCDYFFEAQEKAADVENVPPVISTPHHYLISYRDKLFFVS VIQTEVPPLFVIEFLHRVADTFQDYFGECSEAAIKDNVVIVYELLEEMLDNGFPLATESNILKELIKPP TILRSVVNSITGSSNVGDTLPTGQLSNIPWRRAGVKYTNNEAYFDVVEEIDAIDKSGSTVFAEIQGVI DACIKLSGMPDLSLSFMPNRLDDVSFHPICIRFKRWESERVLSFIPPDGNFRLISYRVSSQNLVAIP VYVKHSISFKENSSCGRFDITIGPKQNMGKTIEGITVTVMHPKVVLNMNLTPTQGSYTFDPVTKVLT WDVGKITPQKLPSLKGLVNLQSGAPKPEENPSLNIQFKIQQLAISGLKVNRLDMYGEKYKPFKGVK YVTKAGKFQVRT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — AP3M1

Entrez GeneID [26985](#)

GeneBank Accession# [NM_012095.3](#)

Protein Accession# [NP_036227.1](#)

Gene Name AP3M1

Gene Alias MGC22164

Gene Description adaptor-related protein complex 3, mu 1 subunit

Omim ID [610366](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is the medium subunit of AP-3, which is an adaptor-related protein complex associated with the Golgi region as well as more peripheral intracellular structures. A P-3 facilitates the budding of vesicles from the Golgi membrane and may be directly involved in protein sorting to the endosomal/lysosomal system. AP-3 is a heterotetrameric protein complex composed of two large subunits (delta and beta3), a medium subunit (mu3), and a small subunit (sigma 3). Mutations in one of the large subunits of AP-3 have been associated with the Hermansky-Pudlak syndrome, a genetic disorder characterized by defective lysosome-related organelles. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq]

Other Designations

AP-3 adapter complex mu3A subunit|OTTHUMP00000019859|OTTHUMP00000019860|clathrin adaptor complex AP3, mu-3A subunit|mu-adaptin 3A

Pathway

- [Lysosome](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)