abcam

Product datasheet

Anti-AP4M1 antibody ab96306

1 Abreviews 2 References 1 Image

Overview

Product name	Anti-AP4M1 antibody
Description	Rabbit polyclonal to AP4M1
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat, Cow
Immunogen	Recombinant fragment, corresponding to a region within the internal sequence amino acids 70-265 of Human AP4M1.
Positive control	293T, A431, Jurkat, Raji cells
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

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The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab96306 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 50 kDa.

Target

Function Subunit of novel type of clathrin- or non-clathrin-associated protein coat involved in targeting proteins from the trans-Golgi network (TGN) to the endosomal-lysosomal system.

Tissue specificity Ubiquitous. Highly expressed in testis and lowly expressed in brain and lung.

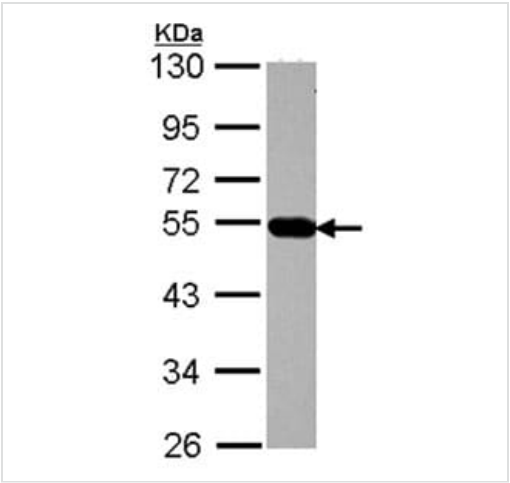
Involvement in disease Defects in AP4M1 are the cause of cerebral palsy spastic quadriplegic type 3 (CPSQ3) [MIM:612936]. A non-progressive disorder of movement and/or posture resulting from defects in the developing central nervous system. Affected individuals present postnatally with early infantile hypotonia, delayed psychomotor development, strabismus, lack of independent walking and severe mental retardation. They develop progressive spasticity of all limbs with generalized hypertonia, hyperreflexia, and extensor plantar responses by the end of the first year of life. Speech is absent or limited. Pseudobulbar signs, such as drooling, stereotypic laughter, and exaggerated jaw jerk, are part of the clinical picture.

Sequence similarities Belongs to the adaptor complexes medium subunit family.
Contains 1 MHD (mu homology) domain.

Domain Interacts specifically with tyrosine-based sorting signals.

Cellular localization Golgi apparatus > trans-Golgi network. Membrane > coated pit. Associated with the trans-Golgi network. Found in soma and dendritic shafts of neuronal cells.

Images



Western blot - Anti-AP4M1 antibody (ab96306)

Anti-AP4M1 antibody (ab96306) at 1/1000 dilution + A431 whole cell lysate at 30 µg

Predicted band size: 50 kDa

10% SDS PAGE

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

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