abcam

Product datasheet

Anti-AP1S2 antibody ab97590

1 References 1 Image

Overview

Product name	Anti-AP1S2 antibody
Description	Rabbit polyclonal to AP1S2
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Cow, Zebrafish
Immunogen	Recombinant fragment containing a sequence corresponding to a region within amino acids 1-122 of Human AP1S2 (NP_003907).
Positive control	Raji whole cell lysate; A431 cell lysate
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. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab97590 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: 19 kDa.

Target

Function Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules.

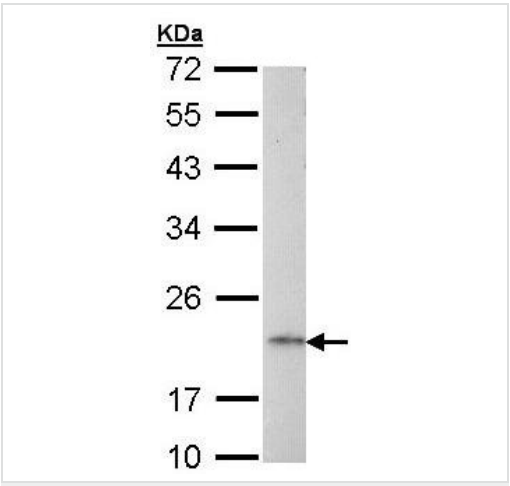
Tissue specificity Widely expressed.

Involvement in disease Defects in AP1S2 are the cause of mental retardation X-linked type 59 (MRX59) [MIM:300630]. It is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. In contrast to syndromic or specific X-linked mental retardation which also present with associated physical, neurological and/or psychiatric manifestations, intellectual deficiency is the only primary symptom of non-syndromic X-linked mental retardation. MRX59 consists of a mild-to-profound mental retardation. Other features includes hypotonia early in life and delay in walking.

Sequence similarities Belongs to the adaptor complexes small subunit family.

Cellular localization Golgi apparatus. Cytoplasmic vesicle membrane. Membrane > clathrin-coated pit. Component of the coat surrounding the cytoplasmic face of coated vesicles located at the Golgi complex.

Images



Western blot - Anti-AP1S2 antibody (ab97590)

Anti-AP1S2 antibody (ab97590) at 1/1000 dilution + Raji whole cell lysate at 30 µg

Predicted band size: 19 kDa

12% SDS-PAGE

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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