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Mouse Scyl2 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP14165c

Specification

Mouse Scyl2 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q8CFE4

Mouse Scyl2 Antibody (Center) Blocking peptide - Additional Information

Gene ID 213326

Other Names
SCY1-like protein 2, Coated vesicle-associated kinase of 104 kDa, Scyl2, Cvak104, D10Ertd802e

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP14165c was selected from the Center region of Mouse Scyl2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Scyl2 Antibody (Center) Blocking peptide - Protein Information

Name Scyl2 {ECO:0000312|MGI:MGI:1289172}

Function
Component of the AP2-containing clathrin coat that may regulate clathrin-dependent trafficking at plasma membrane, TGN and endosomal system. A possible serine/threonine-protein kinase toward the beta2-subunit of the plasma membrane adapter complex AP2 and other proteins in presence of poly-L-lysine has not been confirmed (By similarity). By regulating the expression of excitatory receptors at synapses, plays an essential role in neuronal function and signaling and in brain development (PubMed:26203146).

Cellular Location
Cytoplasmic vesicle, clathrin-coated vesicle {ECO:0000250|UniProtKB:Q6P3W7}. Golgi apparatus, trans-Golgi network membrane {ECO:0000250|UniProtKB:Q6P3W7}. Endosome membrane {ECO:0000250|UniProtKB:Q6P3W7}. Note=Colocalizes to the trans-Golgi network (TGN) and to endosomal membranes with clathrin, transferrin and plasma membrane adapter AP1 and AP3

complexes {ECO:0000250|UniProtKB:Q6P3W7}

Tissue Location
Ubiquitously expressed.

Mouse Scyl2 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

Mouse Scyl2 Antibody (Center) Blocking peptide - Images

Mouse Scyl2 Antibody (Center) Blocking peptide - Background

Component of AP2-containing clathrin coated structures at the plasma membrane or of endocytic coated vesicles. Scyl2 may be a serine/threonine-protein kinase. May regulate clathrin-dependent trafficking between the TGN and/or the endosomal system (By similarity).

Mouse Scyl2 Antibody (Center) Blocking peptide - References

Duwel, M., et al. Mol. Biol. Cell 17(10):4513-4525(2006)Zambrowicz, B.P., et al. Proc. Natl. Acad. Sci. U.S.A. 100(24):14109-14114(2003)Stryke, D., et al. Nucleic Acids Res. 31(1):278-281(2003)