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SCYL2 Antibody(C-term) Blocking peptide
Synthetic peptide
Catalog # BP7024b

Specification

SCYL2 Antibody(C-term) Blocking peptide - Product Information

Primary Accession Q6P3W7

SCYL2 Antibody(C-term) Blocking peptide - Additional Information

Gene ID 55681

Other Names
SCY1-like protein 2, Coated vesicle-associated kinase of 104 kDa, SCYL2, CVAK104, KIAA1360

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7024b was selected from the C-term region of human SCYL2 (C-term). 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.

SCYL2 Antibody(C-term) Blocking peptide - Protein Information

Name SCYL2 (HGNC:19286)

Function
Component of the AP2-containing clathrin coat that may regulate clathrin-dependent trafficking at plasma membrane, TGN and endosomal system (Probable). 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 (PubMed:15809293, PubMed:16914521). By regulating the expression of excitatory receptors at synapses, plays an essential role in neuronal function and signaling and in brain development (By similarity).

Cellular Location
Cytoplasmic vesicle, clathrin-coated vesicle. Golgi apparatus, trans-Golgi network membrane Endosome membrane. Note=Colocalizes to the trans-Golgi network (TGN) and to endosomal

membranes with clathrin, transferrin and plasma membrane adapter AP1 and AP3 complexes

SCYL2 Antibody(C-term) Blocking peptide - Protocols

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

- Blocking Peptides

SCYL2 Antibody(C-term) Blocking peptide - Images

SCYL2 Antibody(C-term) Blocking peptide - Background

SCYL2 is a component of AP2-containing clathrin coated structures at the plasma membrane or of endocytic coated vesicles. SCYL2 is a probable serine/threonine-protein kinase that phosphorylates, in vitro, the beta2-subunit of the plasma membrane adapter complex AP2 and other proteins in presence of poly-L-lysine. SCYL2 may also regulate clathrin-dependent trafficking between the TGN and/or the endosomal system.

SCYL2 Antibody(C-term) Blocking peptide - References

Ota, T., et al., Nat. Genet. 36(1):40-45 (2004).