10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SCYL2 Antibody(C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7024b

Specification

SCYL2 Antibody(C-term) - Product Information

Application	**IHC-P,E**
Primary Accession	Q6P3W7
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**643-672**

SCYL2 Antibody(C-term) - Additional Information

Gene ID 55681

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

Target/Specificity
This SCYL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 643-672 amino acids from the C-terminal region of human SCYL2.

Dilution
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SCYL2 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SCYL2 Antibody(C-term) - 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).

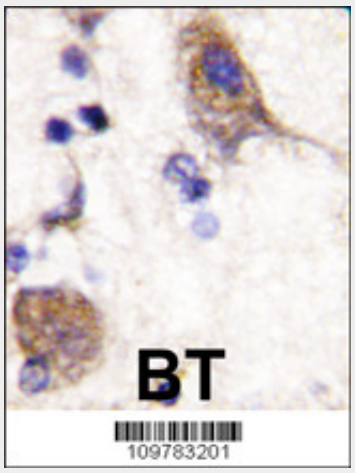
Cellular Location
Cytoplasmic vesicle, clathrin-coated vesicle. Golgi apparatus, trans-Golgi network membrane Endosome membrane. Note=Colocalizes to the trans-Golgi network (TGN) and to endosomal membranes with clathrin, transferrin and plasma membrane adapter AP1 and AP3 complexes

SCYL2 Antibody(C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SCYL2 Antibody(C-term) - Images



Formalin-fixed and paraffin-embedded human brain tissue reacted with SCYL2 (C-term)(Cat.#AP7024b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

SCYL2 Antibody(C-term) - 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) - References

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