

EXOC8 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55665

Specification

EXOC8 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat, Bovine
Host
Clonality
Polyclonal
Calculated MW
Rat, Bovine
Rabbit
Rabbit
Rabbit

Calculated MW 82 KDa Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human EXOC8

Epitope Specificity 311-410/725

Isotype
Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasm. Cell projection > growth cone.

Redistributes to growing neurites and growth cones during cell differentiation (By similarity). Binds lipids with

phosphatidylinositol-3,4,5-trisphosphate

phosphatia y miositor 3) + /3 trisphosphate

group

SIMILARITY Belongs to the EXO84 family. Contains 1

PH domain.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

Exocytosis is crucial in membrane trafficking and it mediates hormone and neurotransmitter secretion out of the cell, as well as the incorporation of membrane proteins and lipids to the plasma membrane. It is crucial for cell-cell communication, cell growth and cell polarity. The exocyst complex is a multi-protein complex that consists of Sec3, Sec5, Sec6, Sec8, Sec10, Sec15, Exo70 and Exo84, and is essential for targeting exocytic vesicles to specific docking sites on the plasma membrane. The exocyst complex inhibits tubulin polymerization in vitro, suggesting that the exocyst complex is important for modulating the microtubule dynamics that underlie exocytosis. Exo84 (Exocyst complex 84 kDa subunit), also known as Exocyst complex component 8, is a 725 amino acid protein that is one of eight protein subunits composing the mammalian exocyst complex. Both Exo84 and Sec5 are effector targets for active Ral GTPases, which are responsible for regulating exocyst complex activities.

EXOC8 Polyclonal Antibody - Additional Information

Gene ID 149371



Other Names

Exocyst complex component 8, Exocyst complex 84 kDa subunit, EXOC8

Dilution

IHC-P~~N/A<br \> <span class
="dilution_IHC-F">IHC-F~~N/A<br \> <span class
="dilution_IF">IF~~1:50~200<br \> ICC~~N/A<br \> E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

EXOC8 Polyclonal Antibody - Protein Information

Name EXOC8

Function

Component of the exocyst complex involved in the docking of exocytic vesicles with fusion sites on the plasma membrane.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:O54924}. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:O54924}. Cell projection, growth cone {ECO:0000250|UniProtKB:O54924}. Cell projection {ECO:0000250|UniProtKB:O54924}. Note=Perinuclear in undifferentiated PC12 cells. Redistributes to growing neurites and growth cones during neuronal differentiation (By similarity). Binds lipids with phosphatidylinositol 3,4,5-trisphosphate groups (By similarity) Localizes at the leading edge of migrating cells (By similarity) {ECO:0000250, ECO:0000250|UniProtKB:O54924}

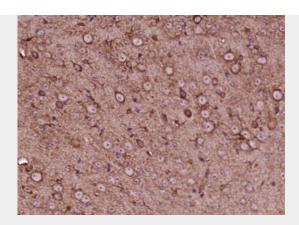
EXOC8 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

EXOC8 Polyclonal Antibody - Images





Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EXOC8) Polyclonal Antibody, Unconjugated (bs-14665R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.