

EXOC2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55066

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96KP1
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	104066
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EXOC2/SEC5
Epitope Specificity	31-130/924
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Plasma membrane.
SIMILARITY	Belongs to the SEC5 family. Contains 1 IPT/TIG domain.
SUBUNIT	The exocyst complex is composed of EXOC1, EXOC2, EXOC3, EXOC4, EXOC5, EXOC6, EXOC7 and EXOC8. Interacts with EXOC3L1 (By similarity). Interacts with RALA and GNEFR/DELGEF. Interaction with GNEFR occurs only in the presence of magnesium or manganese and is stimulated by dCTP or GTP. Interacts with RALB.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The mammalian exocyst complex (sec 6/8) is a multiple protein complex essential for targeting exocytic vesicles to specific docking sites on the plasma membrane. Sec 5 is one of eight exocyst complex subunits: Sec3, Sec5, Sec6, Sec8, Sec10, Sec15, Exo70, and Exo84. Exocyst complex regulation depends upon Sec5 binding Ral in a GTP-dependent manner. Human Sec5 maps to chromosome 6p25.3.

Additional Information

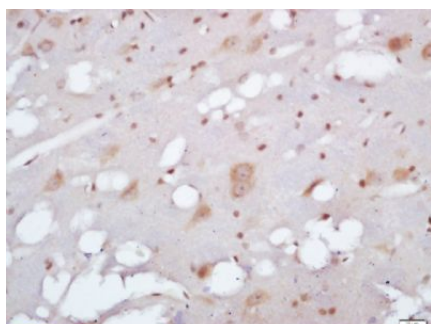
Gene ID	55770
Other Names	Exocyst complex component 2, Exocyst complex component Sec5, EXOC2, SEC5, SEC5L1
Target/Specificity	Widely expressed with highest levels in brain and placenta.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

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.
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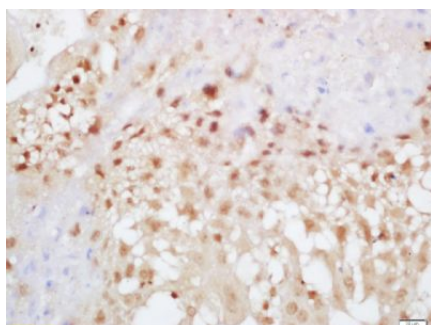
Protein Information

Name	EXOC2
Synonyms	SEC5, SEC5L1
Function	Component of the exocyst complex involved in the docking of exocytic vesicles with fusion sites on the plasma membrane.
Cellular Location	Midbody, Midbody ring Note=Recruitment to the midbody does not require RALA, nor RALB (PubMed:18756269). Colocalizes with CNTRL/centriolin at the midbody ring (PubMed:16213214).
Tissue Location	Widely expressed with highest levels in brain and placenta.

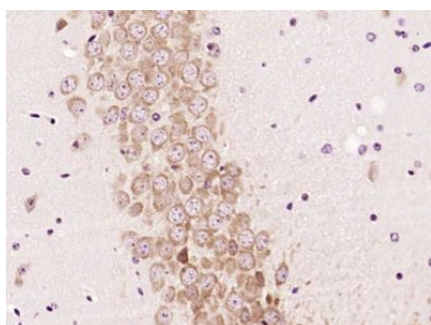
Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
 Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
 Incubation: Anti-EXOC2 Polyclonal Antibody, Unconjugated(AP55066) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
 Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
 Incubation: Anti-EXOC2 Polyclonal Antibody, Unconjugated(AP55066) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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 (EXOC2) Polyclonal Antibody, Unconjugated (AP55066) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.