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EXOC3 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21220b

Product Information

Application	WB, IHC-P, E
Primary Accession	O60645
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52307
Calculated MW	85567

Additional Information

Gene ID	11336
Other Names	Exocyst complex component 3, Exocyst complex component Sec6, EXOC3, SEC6, SEC6L1
Target/Specificity	This EXOC3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 524-557 amino acids from the C-terminal region of human EXOC3.
Dilution	WB~~1:2000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	EXOC3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	EXOC3
Synonyms	SEC6, SEC6L1
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:O54921}. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:O54921}. Cell projection, growth cone {ECO:0000250|UniProtKB:O54921}. Midbody. Golgi apparatus. Cell projection, neuron projection {ECO:0000250|UniProtKB:Q62825}. Note=Perinuclear in undifferentiated cells. Redistributes to growing neurites and growth cones during neuronal differentiation (By similarity). During mitosis, early recruitment to the midbody requires RALA, but not RALB, and EXOC2. In late stages of cytokinesis, localization to the midbody is RALB- dependent (PubMed:18756269). {ECO:0000250|UniProtKB:O54921, ECO:0000269|PubMed:18756269}
Tissue Location	Expressed in epididymis (at protein level).

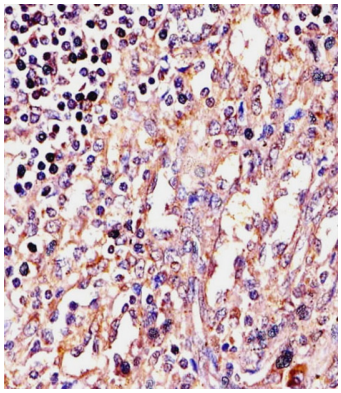
Background

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

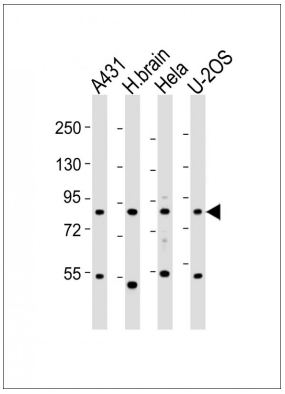
References

Li J.,et al.Mol. Cell. Proteomics 9:2517-2528(2010).
Jikuya H.,et al.DNA Res. 10:49-57(2003).
Schmutz J.,et al.Nature 431:268-274(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Yu W.,et al.Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.

Images



AP21220b staining EXOC3 in Human spleen tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



All lanes : Anti-EXOC3 Antibody (C-term) at 1:2000 dilution Lane 1: A431 whole cell lysates Lane 2: human brain lysates Lane 3: Hela whole cell lysates Lane 4: U-2OS whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 87 kDa Blocking/Dilution buffer: 5% NFDM/TBST.