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EXOC5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9006B

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	O00471
Other Accession	Q8TDX5
Reactivity	Human
Predicted	Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22622
Calculated MW	81853
Antigen Region	40-66

Additional Information

Gene ID	10640
Other Names	Exocyst complex component 5, Exocyst complex component Sec10, hSec10, EXOC5, SEC10, SEC10L1
Target/Specificity	This EXOC5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 40-66 amino acids from the C-terminal region of human EXOC5.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 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	EXOC5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	EXOC5
Synonyms	SEC10, SEC10L1

Function	Component of the exocyst complex involved in the docking of exocytic vesicles with fusion sites on the plasma membrane.
Cellular Location	Cytoplasm. Midbody. Note=Localization at the midbody requires the presence of RALA, EXOC2 and EXOC3
Tissue Location	Ubiquitous..

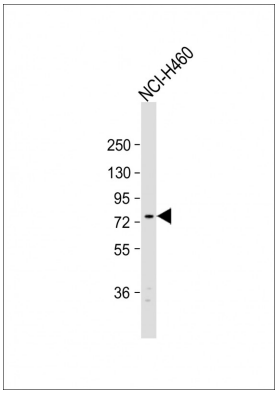
Background

EXOC5 is a component of the exocyst complex, a multiple protein complex essential for targeting exocytic vesicles to specific docking sites on the plasma membrane. Though best characterized in yeast, the component proteins and functions of exocyst complex have been demonstrated to be highly conserved in higher eukaryotes. At least eight components of the exocyst complex, including this protein, are found to interact with the actin cytoskeletal remodeling and vesicle transport machinery. The complex is also essential for the biogenesis of epithelial cell surface polarity.

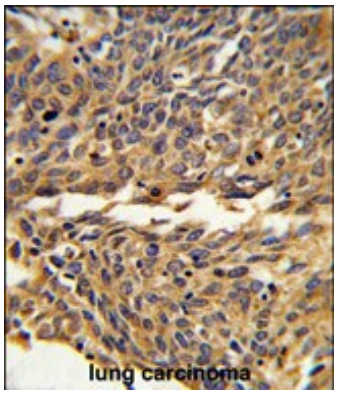
References

Kee,Y., et.al., Proc. Natl. Acad. Sci. U.S.A. 94 (26), 14438-14443 (1997)
Hsu,S.C., et.al., Neuron 20 (6), 1111-1122 (1998)

Images

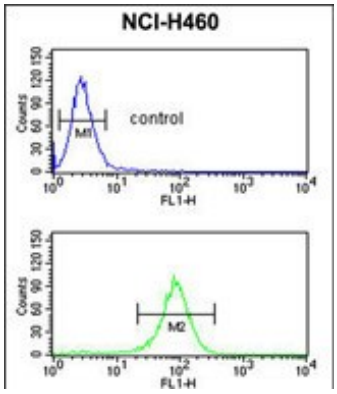


Anti-EXOC5 Antibody (C-term) at 1:1000 dilution + NCI-H460 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 82 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with EXOC5 Antibody (C-term), 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.

EXOC5 Antibody (C-term) (Cat. #AP9006b) flow cytometric analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Citations

- Exocyst complex mediates recycling of internal cilia

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