

SEC24B Rabbit pAb

Catalog # AP96882

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	O95487
Other Accession	O95487
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	137418
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SEC24B
Epitope Specificity	781-880/1286
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SIMILARITY	Belongs to the SEC23/SEC24 family. SEC24 subfamily.
SUBUNIT	COPII is composed of at least five proteins: the Sec23/24 complex, the Sec13/31 complex and SAR1. SEC24B is capable of forming heterodimers with SEC24A. Interacts with RNF139. Interacts with TMED2 and TMED10. Interacts with CNIH4 (PubMed:24405750).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a member of the SEC24 subfamily of the SEC23/SEC24 family, which is involved in vesicle trafficking. The encoded protein has similarity to yeast Sec24p component of COPII. COPII is the coat protein complex responsible for vesicle budding from the ER. The role of this gene product is implicated in the shaping of the vesicle, and also in cargo selection and concentration. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	10427
Other Names	SEC24; SC24B_HUMAN; SEC24B; SEC24-related protein B; SEC24 homolog B, COPII component; SEC24 homolog B, COPII coat complex component; SEC24 (S. cerevisiae) related gene family, member B; SEC24 family, member B (S. cerevisiae); SEC24 family member B
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

Protein Information

Name	SEC24B (HGNC:10704)
Function	Component of the coat protein complex II (COPII) which promotes the formation of transport vesicles from the endoplasmic reticulum (ER). The coat has two main functions, the physical deformation of the endoplasmic reticulum membrane into vesicles and the selection of cargo molecules for their transport to the Golgi complex (PubMed: 17499046 , PubMed: 18843296 , PubMed: 20427317). Plays a central role in cargo selection within the COPII complex and together with SEC24A may have a different specificity compared to SEC24C and SEC24D. May package preferentially cargos with cytoplasmic DxE or LxxLE motifs and may also recognize conformational epitopes (PubMed: 17499046 , PubMed: 18843296).
Cellular Location	Cytoplasmic vesicle, COPII-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytosol

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