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SEC13 Rabbit pAb

Catalog # AP98094

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P55735
Other Accession	P55735
Predicted	Rat, Chimpanzee, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35541
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SEC13L1
Epitope Specificity	1-80/322
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the WD repeat SEC13 family. Contains 6 WD repeats.
SUBUNIT	At the nuclear pore: component of the Y-shaped Nup107-160 subcomplex of the nuclear pore complex (NPC). The Nup107-160 subcomplex includes NUP160, NUP133, NUP107, NUP98, NUP85, NUP43, NUP37, SEH1 and SEC13. At the COPII coat complex: interacts with SEC31A and SEC31B. Within the GATOR complex, component of the GATOR2 subcomplex, made of MIOS, SEC13, SEH1L, WDR24 and WDR59. The GATOR complex strongly interacts with RRAGA/RRAGC and RRAGB/RRAGC heterodimers.
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 belongs to the SEC13 family of WD-repeat proteins. It is a constituent of the endoplasmic reticulum and the nuclear pore complex. It has similarity to the yeast SEC13 protein, which is required for vesicle biogenesis from endoplasmic reticulum during the transport of proteins. Multiple alternatively spliced transcript variants have been found. [provided by RefSeq, Oct 2008]

Additional Information

Gene ID	6396
Other Names	D3S1231E; SEC13L1; SEC13R; npp-20; CK820_G0025251; 1110003H02Rik; CR201_G0011251; EGK_11422; SEC13_HUMAN; SEC13; GATOR2 complex protein SEC13; SEC13-like protein 1; SEC13-related protein; SEC13A; SEC13_MOUSE; SEC13 homolog, nuclear pore and COPII component; SEC13 homolog, nuclear pore and COPII coat complex component; SEC13 (S. cerevisiae)-like 1; SEC13-like 1 (S. cerevisiae); SEC13 homolog (S. cerevisiae)
Dilution	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	SEC13
Function	Functions as a component of the nuclear pore complex (NPC) and the COPII coat (PubMed:8972206). At the endoplasmic reticulum, SEC13 is involved in the biogenesis of COPII-coated vesicles (PubMed:8972206). Required for the exit of adipsin (CFD/ADN), an adipocyte-secreted protein from the endoplasmic reticulum (By similarity).
Cellular Location	Cytoplasmic vesicle, COPII-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Nucleus, nuclear pore complex. Lysosome membrane. Note=In interphase, localizes at both sides of the NPC.

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