



Rabbit Anti-SEC13 antibody

SL19609R

Product Name:	SEC13
Chinese Name:	SEC13蛋白抗体
Alias:	D3S1231E; Npp 20; Npp20; Protein SEC13 homolog; SEC13 (S. cerevisiae) like 1; Sec13; SEC13 homolog (S. cerevisiae); SEC13 homolog; SEC13 like 1 (S. cerevisiae); SEC13 like 1 isoform; SEC13 like protein 1; SEC13 protein; SEC13 related protein; SEC13-like protein 1; SEC13-related protein; SEC13 HUMAN; SEC13R.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Rat,Cow,Chimpanzee,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SEC13L1:1-80/322
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]

Function:

Functions as a component of the nuclear pore complex (NPC) and the COPII coat. At the endoplasmic reticulum, SEC13 is involved in the biogenesis of COPII-coated vesicles.

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.

Subcellular Location:

Cytoplasmic vesicle; COPII-coated vesicle membrane. Endoplasmic reticulum membrane. Nucleus; nuclear pore complex. In interphase, localizes at both sides of the NPC.

Similarity:

Belongs to the WD repeat SEC13 family.
Contains 6 WD repeats.

SWISS:

P55735

Gene ID:

6396

Database links:

[Entrez Gene: 6396](#) Human

[Entrez Gene: 460167](#) Chimpanzee

[Entrez Gene: 607653](#) Dog

[Entrez Gene: 101153194](#) Gorilla

[Entrez Gene: 110379](#) Mouse

[Entrez Gene: 100451553](#) Orangutan

[Entrez Gene: 697339](#) Rhesus monkey

[Omim: 600152](#) Human

[SwissProt: P55735](#) Human

[SwissProt: Q9D1M0](#) Mouse

[Unigene: 166924](#) Human

[Unigene: 29296](#) Mouse

Important Note:

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