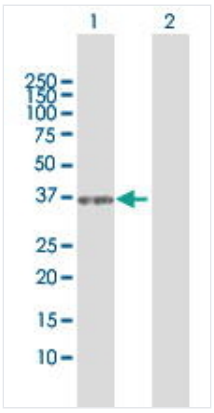
SEC13 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SEC13, Polyclonal Antibody
Full Product Name	SEC13 (Protein SEC13 Homolog, SEC13-like Protein 1, SEC13-related Protein, D3S1231E, SEC13L1, SEC13R) (FITC)
Product Gene Name	anti-SEC13 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human SEC13.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
OMIM	600152
3D Structure	ModBase 3D Structure for P55735
Immunogen	Full length human SEC13, aa1-322 (NP_899195.1).
Immunogen Sequence	MVSVINTVDTSHEDMIHDAQMDYYGTRLATCSSDRSVKIFDVRNGGQILIADLRGHEGPVWQVAWAHPMYGNILASCSYDRKVIIWREENGTWEKSHEH
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-SEC13 antibody	Antibodies; Transport Proteins
Applications Tested/Suitable for anti-SEC13 antibody	Western Blot (WB)
Application Notes for anti-SEC13 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SEC13 antibody	Functions as a component of the nuclear pore complex (NPC) and the COPII coat. At the endoplasmic reticulum, SEC13 is involved in the biogenesis o
Other Notes	Small volumes of anti-SEC13 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces

Searchable Terms for SEC13 purchase	MBS6393522 is an antibody targeting SEC13. Also known as SEC13 (Protein SEC13 Homolog, SEC13-like Protein 1, SEC13-related Protein, D3S123



Western Blot (WB) of anti-SEC13 antibody
Western Blot analysis of SEC13 expression in transfected 293T cell line by SEC13 polyclonal antibody. Lane 1: SEC13 transfected lysate (35.5kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SEC13. It may not necessarily be applicable to this product.

NCBI GI #	34335134
NCBI GeneID	6396
NCBI Accession #	NP_899195.1
UniProt Primary Accession #	P55735
UniProt Related Accession #	P55735
GenBank Nucleotide #	NM_183352
NCBI Official Full Name	protein SEC13 homolog isoform 1
NCBI Official Synonym Full Names	SEC13 homolog, nuclear pore and COPII coat complex component
NCBI Official Symbol	SEC13
NCBI Official Synonym Symbols	SEC13R; npp-20; SEC13L1; D3S1231E
UniProt Protein Name	Protein SEC13 homolog
UniProt Synonym Protein Names	SEC13-like protein 1; SEC13-related protein
Protein Family	Protein transport protein
UniProt Gene Name	SEC13
UniProt Synonym Gene Names	D3S1231E; SEC13L1; SEC13R
UniProt Entry Name	SEC13_HUMAN
NCBI Protein Information	protein SEC13 homolog
NCBI Summary for SEC13	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]

UniProt Comments for SEC13	SEC13: 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. Belongs to the WD repeat SEC13 family. Protein type: Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 3p25-p24 Cellular Component: kinetochore; Golgi membrane; endoplasmic reticulum membrane; nuclear envelope; cytosol Molecular Function: protein binding Biological Process: COPII coating of Golgi vesicle; intracellular protein transport; antigen processing and presentation of peptide antigen via MHC class I; ER to Golgi vesicle-mediated transport; mRNA transport; cellular protein metabolic process; antigen processing and presentation of exogenous peptide antigen via MHC class II; protein amino acid N-linked glycosylation via asparagine; mitotic cell cycle; post-translational protein modification
Research Articles on SEC13	**1.** TRAPPC12, but not TRAPPC8, bound to Sec13/Sec31A tetramer but each Sec protein alone could not interact with TRAPPC12.
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