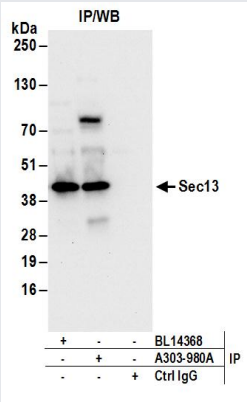
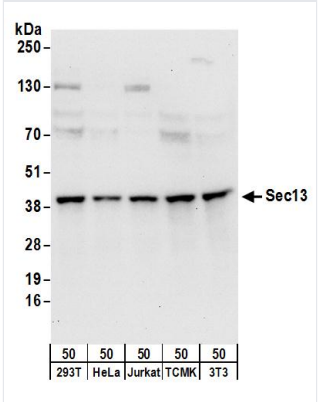
SEC13 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Sec13, Polyclonal Antibody
Full Product Name	Rabbit anti-Sec13 Antibody, Affinity Purified
Product Gene Name	anti-Sec13 antibody
Product Synonym Names	SEC13L1; SEC13R; SEC13-related protein; SEC13-like protein 1; SEC13-like 1 isoform; SEC13 homolog, nuclear pore and COPII coating complex component; protein SEC13 homolog; npp-20; D3S1231E; GATOR complex protein SEC13; Protein SEC13 homolog; SEC13 homolog, nuclear pore and COPII coat complex component
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
OMIM	600152
3D Structure	ModBase 3D Structure for P55735
Immunogen	Between 272 and C-terminus
Conjugation	Unconjugated
Product Categories/Family for anti-Sec13 antibody	Primary Antibodies
Applications Tested/Suitable for anti-Sec13 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-Sec13 antibody	WB: 1:2000-1:10,000 IP: 6ug/mg lysate
Related Product Information for anti-Sec13 antibody	Sec13 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 [taken from NCBI Entrez Gene (Gene ID: 6396)].
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 necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Sec13 purchase	MBS3904216 is an antibody targeting Sec13. Also known as Rabbit anti-Sec13 Antibody, Affinity Purified. Reactive in Human, Mouse. Host: Rabbit.



Immunoprecipitation (IP) of anti-Sec13 antibody
Detection of human Sec13 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HEK293T cells. Antibodies: Affinity purified rabbit anti-Sec13 antibody MBS3904216 (lot MBS3904216-1) used for IP at 6 ug/mg lysate. Sec13 was also immunoprecipitated by rabbit anti-Sec13 antibody BL14368. For blotting immunoprecipitated Sec13, MBS3904216 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



Western Blot (WB) of anti-Sec13 antibody
Detection of human and mouse Sec13 by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, HeLa, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-Sec13 antibody MBS3904216 (lot MBS3904216-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Sec13. It may not necessarily be applicable to this product.

NCBI GeneID	6396
NCBI Accession #	NP_899195.1
UniProt Primary Accession #	P55735
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
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
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