

Anti-SEC24D Rabbit Monoclonal Antibody

Catalog # ABO16506

Product Information

Application	WB
Primary Accession	O94855
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-SEC24D Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	9871
Other Names	Protein transport protein Sec24D, SEC24-related protein D, SEC24D (HGNC:10706)
Calculated MW	113010
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 30S42
Immunogen	A synthesized peptide derived from human SEC24D
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	SEC24D (HGNC:10706)
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 SEC24C may have a different specificity compared to SEC24A and SEC24B (PubMed:[17499046](#), PubMed:[18843296](#), PubMed:[20427317](#)). May more specifically package GPI-anchored proteins through the cargo receptor TMED10 (PubMed:[20427317](#)). May also be specific for IxM motif-containing cargos like the SNAREs GOSR2 and STX5 (PubMed:[18843296](#)).

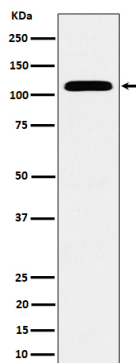
Cellular Location

Cytoplasmic vesicle, COPII-coated vesicle membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P53992}; Cytoplasmic side {ECO:0000250|UniProtKB:P53992}. Endoplasmic reticulum membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P53992}; Cytoplasmic side {ECO:0000250|UniProtKB:P53992}. Cytoplasm, cytosol {ECO:0000250|UniProtKB:P53992}

Tissue Location

Ubiquitously expressed, with higher amounts in placenta, pancreas, heart and liver.

Images



Western blot analysis of SEC24D expression in HeLa cell lysate.

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