

Anti-SEC24D Rabbit Monoclonal Antibody
Catalog # ABO16506**Specification**

Anti-SEC24D Rabbit Monoclonal Antibody - 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.

Anti-SEC24D Rabbit Monoclonal Antibody - Additional Information

Gene ID 9871

Other Names

Protein transport protein Sec24D, SEC24-related protein D, SEC24D (HGNC:10706)

Calculated MW

113 kDa KDa

Application Details

WB 1:500-1:2000

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.

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.

Anti-SEC24D Rabbit Monoclonal Antibody - 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](http://www.uniprot.org/citations/17499046), PubMed:[18843296](http://www.uniprot.org/citations/18843296), PubMed:[20427317](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/17499046), PubMed:[18843296](http://www.uniprot.org/citations/18843296), PubMed:[20427317](http://www.uniprot.org/citations/20427317)). May more specifically package GPI-anchored proteins through the cargo receptor TMED10 (PubMed:[20427317](http://www.uniprot.org/citations/20427317)). May also be specific for IxM motif-containing cargos like the SNAREs GOSR2 and STX5 (PubMed:[18843296](http://www.uniprot.org/citations/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

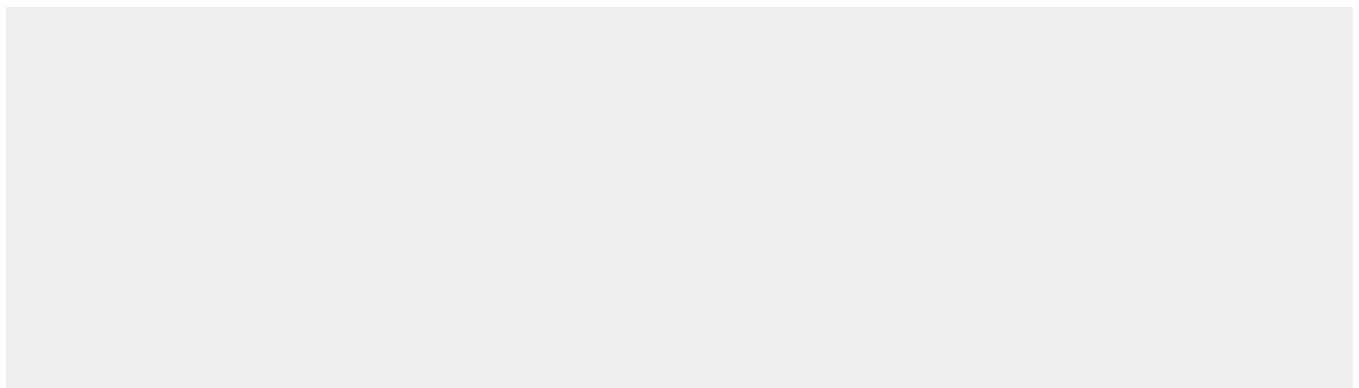
Ubiquitously expressed, with higher amounts in placenta, pancreas, heart and liver.

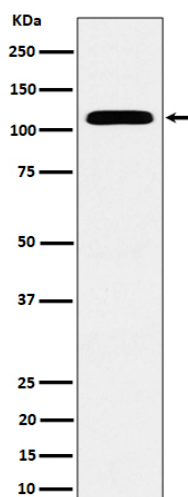
Anti-SEC24D Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SEC24D Rabbit Monoclonal Antibody - Images





Western blot analysis of SEC24D expression in HeLa cell lysate.