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SEC24D Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22049a

Specification

SEC24D Antibody (N-Term) - Product Information

Application	**WB,E**
Primary Accession	O94855
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**113010**

SEC24D Antibody (N-Term) - Additional Information

Gene ID 9871

Other Names
Protein transport protein Sec24D, SEC24-related protein D, SEC24D, KIAA0755

Target/Specificity
This SEC24D antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 235-266 amino acids from human SEC24D.

Dilution
WB~~1:2000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SEC24D Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

SEC24D Antibody (N-Term) - 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:20427317,

PubMed:18843296). 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:20427317, PubMed:18843296). 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}

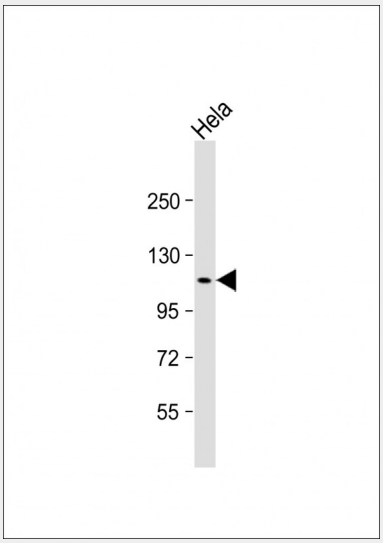
Tissue Location
Ubiquitously expressed, with higher amounts in placenta, pancreas, heart and liver.

SEC24D Antibody (N-Term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SEC24D Antibody (N-Term) - Images



Anti-SEC24D Antibody (N-Term) at 1:2000 dilution + Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 113 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

SEC24D Antibody (N-Term) - Background

Component of the COPII coat, that covers ER-derived vesicles involved in transport from the endoplasmic reticulum to the Golgi apparatus. COPII acts in the cytoplasm to promote the transport of secretory, plasma membrane, and vacuolar proteins from the endoplasmic reticulum to the Golgi complex.

SEC24D Antibody (N-Term) - References

Tang B.L.,et al.Biochem. Biophys. Res. Commun. 258:679-684(1999).
Nagase T.,et al.DNA Res. 5:277-286(1998).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Bonnon C.,et al.J. Cell Sci. 123:1705-1715(2010).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).