

KD-Validated Anti-SEC24D Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1283

Product Information

Application	WB, FC, ICC
Primary Accession	O94855
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 2510
Calculated MW	113010
Gene Name	SEC24D
Aliases	SEC24D; SEC24 Homolog D, COPII Coat Complex Component; KIAA0755; Protein Transport Protein Sec24D; SEC24-Related Protein D; SEC24 (S. Cerevisiae) Related Gene Family, Member D; SEC24 Family, Member D (S. Cerevisiae); SEC24 Related Gene Family, Member D; SEC24 Family Member D; CLCRP2
Immunogen	A synthesized peptide derived from human SEC24D

Additional Information

Gene ID	9871
Other Names	Protein transport protein Sec24D, SEC24-related protein D, SEC24D (HGNC:10706)

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.

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