

# SEC24D Rabbit mAb

Catalog # AP76705

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">O94855</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	113010

## Additional Information

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<b>Gene ID</b>	9871
<b>Other Names</b>	SEC24D
<b>Dilution</b>	WB~~1:1000
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	SEC24D ( <a href="#">HGNC:10706</a> )
<b>Function</b>	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: <a href="#">17499046</a> , PubMed: <a href="#">18843296</a> , PubMed: <a href="#">20427317</a> ). 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: <a href="#">17499046</a> , PubMed: <a href="#">18843296</a> , PubMed: <a href="#">20427317</a> ). May more specifically package GPI-anchored proteins through the cargo receptor TMED10 (PubMed: <a href="#">20427317</a> ). May also be specific for IxM motif-containing cargos like the SNAREs GOSR2 and STX5 (PubMed: <a href="#">18843296</a> ).
<b>Cellular Location</b>	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.

**Background**

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Component of the coat protein complex II (COPII) which promotes the formation of transport vesicles from the endoplasmic reticulum (ER).

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