

**SEC24D Antibody**  
**Rabbit mAb**  
**Catalog # AP93046****Specification**

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**SEC24D Antibody - Product Information**

|                                |                        |
|--------------------------------|------------------------|
| Application                    | WB                     |
| Primary Accession              | <a href="#">O94855</a> |
| Reactivity                     | Rat                    |
| Clonality                      | Monoclonal             |
| <b>Other Names</b>             |                        |
| SEC24 family member D; SEC24D; |                        |
| Isotype                        | Rabbit IgG             |
| Host                           | Rabbit                 |
| Calculated MW                  | 113010 Da              |

**SEC24D Antibody - Additional Information**

|                              |                                                                                                                                                                                                                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dilution                     | WB~~1:1000                                                                                                                                                                                                                                                                                               |
| Purification                 | Affinity-chromatography                                                                                                                                                                                                                                                                                  |
| Immunogen                    | A synthesized peptide derived from human SEC24D                                                                                                                                                                                                                                                          |
| Description                  | 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. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.                                                                                                                        |

**SEC24D 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:<a href="http://www.uniprot.org/citations/17499046" target="\_blank">17499046</a>, PubMed:<a href="http://www.uniprot.org/citations/18843296" target="\_blank">18843296</a>, PubMed:<a href="http://www.uniprot.org/citations/20427317" target="\_blank">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="http://www.uniprot.org/citations/17499046" target="\_blank">17499046</a>, PubMed:<a href="http://www.uniprot.org/citations/18843296" target="\_blank">18843296</a>, PubMed:<a href="http://www.uniprot.org/citations/20427317" target="\_blank">20427317</a>). May more specifically package GPI-anchored proteins through the cargo receptor TMED10 (PubMed:<a href="http://www.uniprot.org/citations/20427317" target="\_blank">20427317</a>). May also be specific for IxM motif-containing cargos like the SNAREs GOSR2 and STX5 (PubMed:<a href="http://www.uniprot.org/citations/18843296" target="\_blank">18843296</a>).

### 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

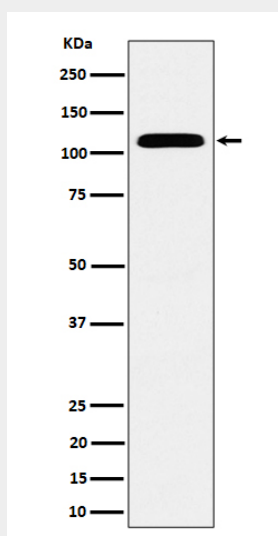
Ubiquitously expressed, with higher amounts in placenta, pancreas, heart and liver.

### SEC24D Antibody - 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](#)

### SEC24D Antibody - Images



Western blot analysis of SEC24D expression in HeLa cell lysate.