

Product Name: KD-Validated SEC24D Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01478

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 113.0kDa

Antigen Information

Gene Name	SEC24D
Alternative Names	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
Gene ID	9871.0
SwissProt ID	O94855
Immunogen	A synthesized peptide derived from human SEC24D

Background

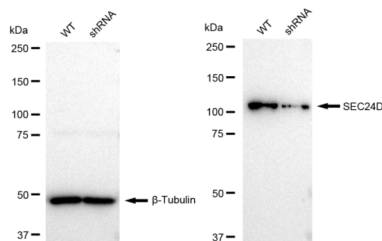
The protein encoded by this gene is a member of the SEC24 subfamily of the SEC23/SEC24 family, which is involved in vesicle

trafficking. The encoded protein has similarity to yeast Sec24p component of COPII. COPII is the coat protein complex responsible for vesicle budding from the ER. This gene product is implicated in the shaping of the vesicle, and also in cargo selection and concentration. Mutations in this gene have been associated with Cole-Carpenter syndrome, a disorder affecting bone formation, resulting in craniofacial malformations and bones that break easily. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]

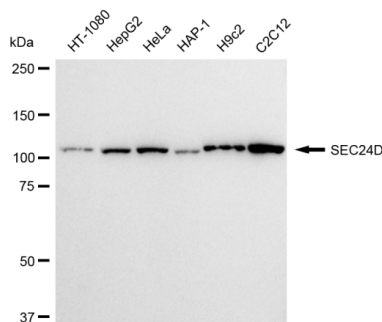
Research Area

Signal Transduction

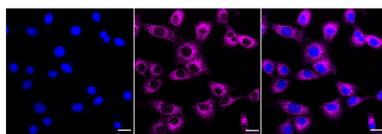
Image Data



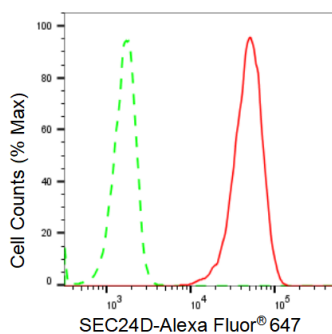
Western blotting analysis using SEC24D antibody (KVA01478). SEC24D expression in wild type (WT) and SEC24D shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with SEC24D antibody (KVA01478, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using SEC24D antibody (KVA01478). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SEC24D antibody (KVA01478, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with SEC24D antibody (KVA01478, 1:1,000). Nuclei were stained blue with DAPI; SEC24D was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of SEC24D expression in C2C12 cells using SEC24D antibody (KVA01478, 1:2,000). Green, isotype control; red, SEC24D.