

Product Name: KD-Validated Exocyst Complex Component 2 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01382

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: 104.1kDa

Antigen Information

Gene Name	EXOC2
Alternative Names	EXOC2; Exocyst Complex Component 2; SEC5L1; Sec5; Exocyst Complex Component Sec5; FLJ11026; SEC5-Like 1 (S. Cerevisiae); SEC5-Like 1; NEDFACH; Sec5p; SEC5
Gene ID	55770.0
SwissProt ID	Q96KP1
Immunogen	A synthesized peptide derived from human EXOC2

Background

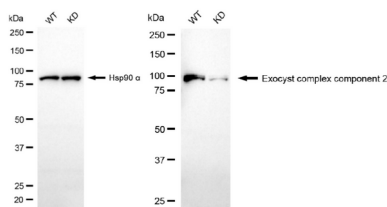
The protein encoded by this gene is a component of the exocyst complex, a multi-protein complex essential for the polarized targeting of exocytic vesicles to specific docking sites on the plasma membrane. Though best characterized in yeast, the

component proteins and the functions of the exocyst complex have been demonstrated to be highly conserved in higher eukaryotes. At least eight components of the exocyst complex, including this protein, are found to interact with the actin cytoskeletal remodeling and vesicle transport machinery. This interaction has been shown to mediate filopodia formation in fibroblasts. This protein has been shown to interact with the Ral subfamily of GTPases and thereby mediate exocytosis by tethering vesicles to the plasma membrane. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]

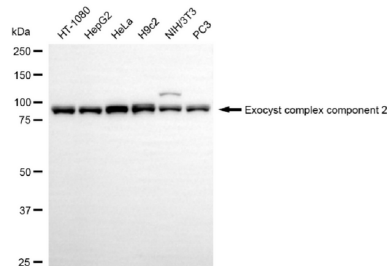
Research Area

Signal Transduction

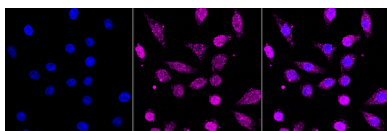
Image Data



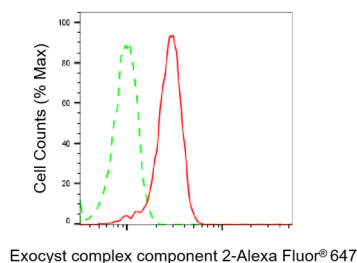
Western blotting analysis using exocyst complex component 2 antibody (KVA01382). Exocyst complex component 2 expression in wild type (WT) and exocyst complex component 2 (EXOC2) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with exocyst complex component 2 antibody (KVA01382, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using exocyst complex component 2 antibody (KVA01382). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with exocyst complex component 2 antibody (KVA01382, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Exocyst complex component 2 antibody (KVA01382, 1:1,000). Nuclei were stained blue with DAPI; Exocyst complex component 2 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 Exocyst complex component 2 expression in HepG2 cells using Exocyst complex component 2 antibody (KVA01382, 1:2,000). Green, isotype control; red, Exocyst complex component 2.