
Product Name: KD-Validated CHMP5 Mouse Monoclonal Antibody**Catalog #: KVA00581**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 1:200-1:1,000; FC 1:100-1:1,000
Molecular Weight	Calculated MW: 24.6kDa

Antigen Information

Gene Name	CHMP5 CHMP5; Charged Multivesicular Body Protein 5; Vps60; HSPC177; C9orf83; SNF7DC2; CGI-34; Vacuolar Protein Sorting-Associated Protein 60; SNF7 Domain-Containing Protein;
Alternative Names	Chromatin-Modifying Protein 5; HVps60; Chromosome 9 Open Reading Frame 83; Apoptosis-Related Protein PNAS-2; Chromatin Modifying Protein 5; SNF7 Domain Containing; PNAS-2
Gene ID	51510.0
SwissProt ID	Q9NZZ3
Immunogen	Recombinant protein of human CHMP5

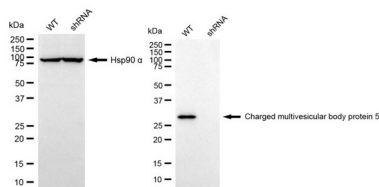
Background

CHMP5 belongs to the chromatin-modifying protein/charged multivesicular body protein (CHMP) family. These proteins are components of ESCRT-III (endosomal sorting complex required for transport III), a complex involved in degradation of surface receptor proteins and formation of endocytic multivesicular bodies (MVBs). Some CHMPs have both nuclear and cytoplasmic/vesicular distributions, and one such CHMP, CHMP1A (MIM 164010), is required for both MVB formation and regulation of cell cycle progression (Tsang et al., 2006 [PubMed 16730941]).[supplied by OMIM, Mar 2008]

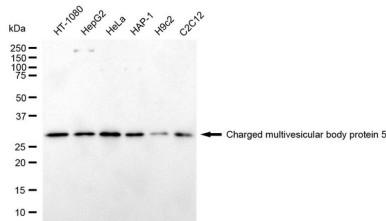
Research Area

Signal Transduction

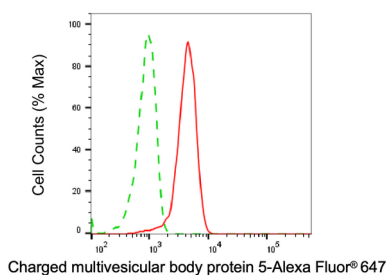
Image Data



Western blotting analysis using charged multivesicular body protein 5 antibody (KVA00581). Charged multivesicular body protein 5 expression in wild-type (WT) and charged multivesicular body protein 5 (CHMP5) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with charged multivesicular body protein 5 antibody (KVA00581, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using charged multivesicular body protein 5 antibody (KVA00581). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with charged multivesicular body protein 5 antibody (KVA00581, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of Charged multivesicular body protein 5 expression in HepG2 cells using Charged multivesicular body protein 5 antibody (KVA00581, 1:1,000). Green, isotype control; red, Charged multivesicular body protein 5.