
Product Name: KD-Validated Major Vault Protein Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00993**

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: 99.3kDa

Antigen Information

Gene Name	MVP
Alternative Names	Major Vault Protein; LRP; Lung Resistance-Related Protein; VAULT1; Testicular Secretory Protein Li 30
Gene ID	9961.0
SwissProt ID	Q14764
Immunogen	A synthesized peptide derived from human MVP

Background

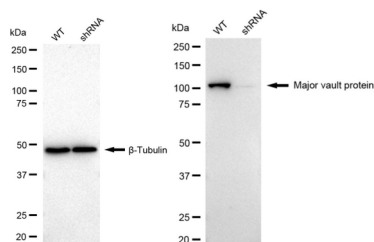
This gene encodes the major component of the vault complex. Vaults are multi-subunit ribonucleoprotein structures that may be involved in nucleo-cytoplasmic transport. The encoded protein may play a role in multiple cellular processes by regulating

the MAP kinase, JAK/STAT and phosphoinositide 3-kinase/Akt signaling pathways. The encoded protein also plays a role in multidrug resistance, and expression of this gene may be a prognostic marker for several types of cancer. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, May 2012]

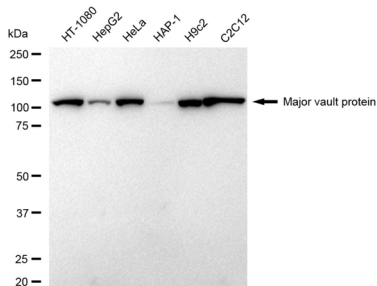
Research Area

Signal Transduction,Cancer

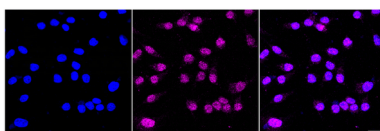
Image Data



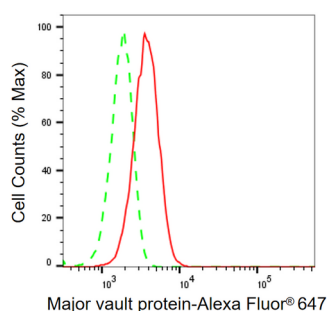
Western blotting analysis using Major Vault Protein antibody (KVA00993). Major Vault Protein expression in wild type (WT) and Major Vault Protein shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Major Vault Protein antibody (KVA00993, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Major vault protein antibody (KVA00993). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Major vault protein antibody (KVA00993, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with Major vault protein antibody (KVA00993, 1:1,000). Nuclei were stained blue with DAPI; Major vault protein 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 Major vault protein expression in HeLa cells using Major vault protein antibody (KVA00993, 1:2,000). Green, isotype control; red, Major vault protein.