

Product Name: KD-Validated IMMT Mouse Monoclonal Antibody**Catalog #: KVAb00412**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC,IHC-P
Reactivity	Human
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 1:400-1:2,000; FC 1:100-1:1,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 83.7kDa

Antigen Information

Gene Name	IMMT IMMT; Inner Membrane Mitochondrial Protein; MINOS2; HMP; Mitofilin; MICOS60; Mic60; P87; P89; Mitochondrial Contact Site And Cristae Organizing System Subunit 60; Mitochondrial Inner Membrane Organizing System 2; Cell Proliferation-Inducing Gene 4/52
Alternative Names	Protein; Mitochondrial Inner Membrane Protein; MICOS Complex Subunit MIC60; Heart Muscle Protein; P87/89; Inner Membrane Protein, Mitochondrial (Mitofilin); Cell Proliferation-Inducing Protein 52; Proliferation-Inducing Gene 4; Motor Protein; PIG52; MIC60; PIG4
Gene ID	10989.0
SwissProt ID	Q16891
Immunogen	Recombinant protein of human IMMT

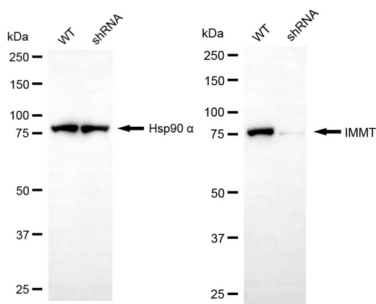
Background

Enables RNA binding activity. Involved in cristae formation. Located in mitochondrial inner membrane. Part of MICOS complex.
[provided by Alliance of Genome Resources, Jul 2025]

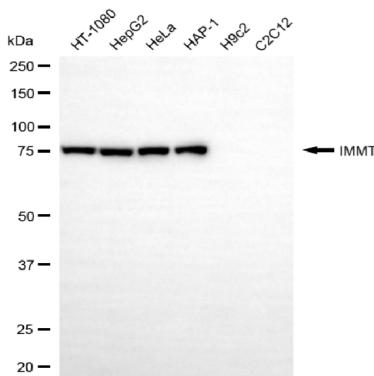
Research Area

Signal Transduction, Cardiovascular, Metabolism

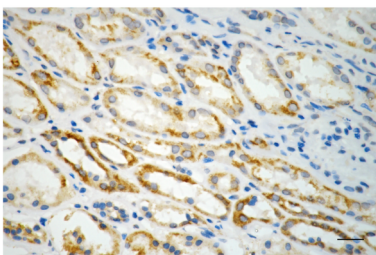
Image Data



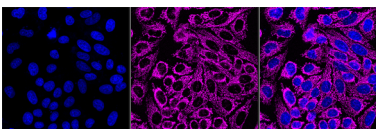
Western blotting analysis using IMMT antibody (KVA00412). IMMT expression in wild-type (WT) and IMMT shRNA knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with IMMT antibody (KVA00412, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



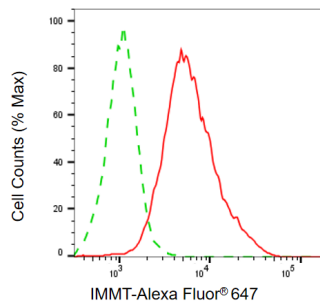
Western blotting analysis using IMMT antibody (KVA00412). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with IMMT antibody (KVA00412, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human renal carcinoma using IMMT antibody (KVA00412, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HepG2 cells with IMMT antibody (KVA00412, 1:1,000). Nuclei were stained blue with DAPI; IMMT 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 IMMT expression in HepG2 cells using IMMT antibody (KVA00412, 1:1,000) . Green, isotype control; red, IMMT.