
Product Name: KO-Validated FERMT2 Mouse Monoclonal Antibody**Catalog #: KVA00166**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
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 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 77.9kDa

Antigen Information

Gene Name	FERMT2 FERMT2; FERM Domain Containing Kindlin 2; KIND2; UNC112B; PLEKHC1; Mig-2; Pleckstrin Homology Domain Containing, Family C (With FERM Domain) Member 1; PH Domain-Containing Family C Member 1; Fermitin Family Homolog 2; Mitogen Inducible Gene-2;
Alternative Names	Fermitin Family Member 2; Kindlin-2; MIG2; Pleckstrin Homology Domain Containing, Family C Member 1; Pleckstrin Homology Domain-Containing Family C Member 1; Fermitin Family Homolog 2 (Drosophila); Mitogen Inducible Gene 2 Protein; Mitogen-Inducible Gene 2 Protein; Kindlin 2; UNC112; MIG-2
Gene ID	10979.0
SwissProt ID	Q96AC1
Immunogen	Recombinant protein of human FERMT2

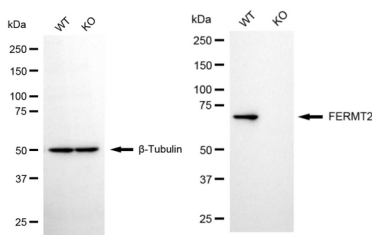
Background

Enables several functions, including phosphatidylinositol-3,4,5-trisphosphate binding activity; protein serine/threonine kinase binding activity; and type I transforming growth factor beta receptor binding activity. Involved in several processes, including cell surface receptor signaling pathway; positive regulation of cellular component biogenesis; and positive regulation of intracellular signal transduction. Acts upstream of or within cell adhesion and protein localization to cell junction. Located in several cellular components, including adherens junction; cytoplasmic side of plasma membrane; and focal adhesion. Biomarker of acute myeloid leukemia. [provided by Alliance of Genome Resources, Jul 2025]

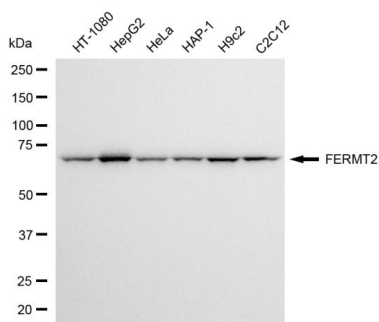
Research Area

Signal Transduction, Stem Cells

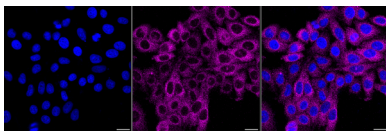
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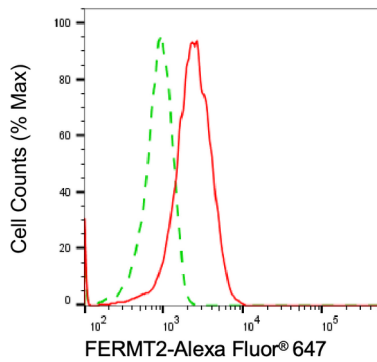
Western blotting analysis using FERMT2 antibody (KVA00166). FERMT2 expression in wild type (WT) and FERMT2 knockout (KO) HSHC cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with FERMT2 antibody (KVA00166, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using FERMT2 antibody (KVA00166). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with FERMT2 antibody (KVA00166, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with FERMT2 antibody (KVA00166, 1:1,000). Nuclei were stained blue with DAPI; FERMT2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of FERMT2 expression in HepG2 cells using FERMT2 antibody (KVA00166, 1:2,000). Green, isotype control; red, FERMT2.