
Product Name: KO-Validated FERMT2 Mouse Monoclonal Antibody**Catalog #: KVA00165**

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

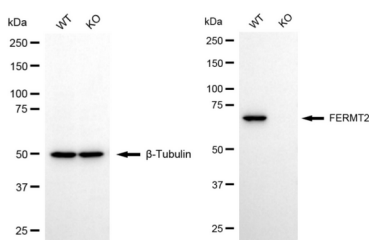
Background

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]

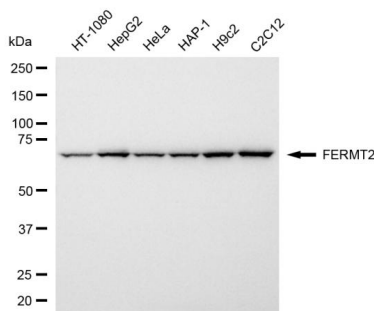
Research Area

Signal Transduction, Stem Cells

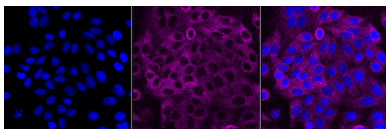
Image Data



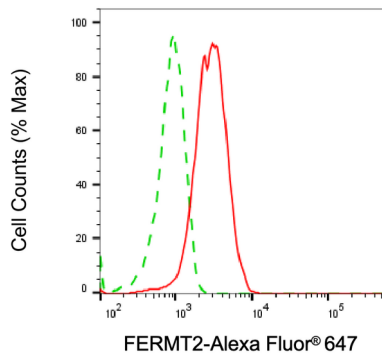
Western blotting analysis using FERMT2 antibody (KVA00165). FERMT2 expression in wild type (WT) and FERMT2 knockout (KO) HSHC cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with FERMT2 antibody (KVA00165, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using FERMT2 antibody (KVA00165). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with FERMT2 antibody (KVA00165, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with FERMT2 antibody (KVA00165, 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 (KVAb00165, 1:2,000). Green, isotype control; red, FERMT2.