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FERMT2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18977b

Specification

FERMT2 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q96AC1
Other Accession	Q8CIB5, F1Q8X5, NP_006823.1
Reactivity	**Human**
Predicted	**Zebrafish, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**77861**
Antigen Region	**641-669**

FERMT2 Antibody (C-term) - Additional Information

Gene ID 10979

Other Names
Fermitin family homolog 2, Kindlin-2, Mitogen-inducible gene 2 protein, MIG-2, Pleckstrin homology domain-containing family C member 1, PH domain-containing family C member 1, FERMT2, KIND2, MIG2, PLEKHC1

Target/Specificity
This FERMT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 641-669 amino acids from the C-terminal region of human FERMT2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
FERMT2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FERMT2 Antibody (C-term) - Protein Information

Name FERMT2

Synonyms KIND2, MIG2, PLEKHC1

Function Scaffolding protein that enhances integrin activation mediated by TLN1 and/or TLN2, but activates integrins only weakly by itself. Binds to membranes enriched in phosphoinositides. Enhances integrin-mediated cell adhesion onto the extracellular matrix and cell spreading; this requires both its ability to interact with integrins and with phospholipid membranes. Required for the assembly of focal adhesions. Participates in the connection between extracellular matrix adhesion sites and the actin cytoskeleton and also in the orchestration of actin assembly and cell shape modulation. Recruits FBLIM1 to focal adhesions. Plays a role in the TGFB1 and integrin signaling pathways. Stabilizes active CTNNB1 and plays a role in the regulation of transcription mediated by CTNNB1 and TCF7L2/TCF4 and in Wnt signaling.

Cellular Location
Cytoplasm. Cytoplasm, cell cortex. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, stress fiber. Cell junction, focal adhesion. Membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium membrane; Peripheral membrane protein; Cytoplasmic side. Nucleus. Cytoplasm, myofibril, sarcomere, I band. Cell surface. Note=Colocalizes with actin stress fibers at cell-ECM focal adhesion sites. Colocalizes with ITGB3 at lamellipodia at the leading edge of spreading cells. Binds to membranes that contain phosphatidylinositides

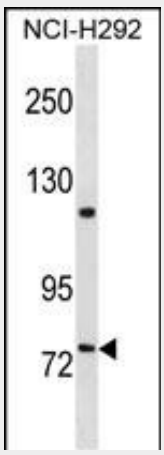
Tissue Location
Ubiquitous. Found in numerous tumor tissues.

FERMT2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FERMT2 Antibody (C-term) - Images



FERMT2 Antibody (C-term) (Cat. #AP18977b) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the FERMT2 antibody detected the FERMT2 protein (arrow).

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FERMT2 Antibody (C-term) - Background

FERMT2 participates in the connection between ECM adhesion sites and the actin cytoskeleton and also in the orchestration of actin assembly and cell shape modulation. Recruits migfilin (FBLP1) protein to cell-ECM focal adhesion sites.

FERMT2 Antibody (C-term) - References

An, Z., et al. Int. J. Cancer 127(9):1999-2008(2010) Bledzka, K., et al. J. Biol. Chem. 285(40):30370-30374(2010) Lai-Cheong, J.E., et al. Int. J. Biochem. Cell Biol. 42(5):595-603(2010) Lai-Cheong, J.E., et al. J. Invest. Dermatol. 128(9):2156-2165(2008) Ma, Y.Q., et al. J. Cell Biol. 181(3):439-446(2008)