

FERMT2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18977b**Specification**

FERMT2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96AC1](#)**FERMT2 Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FERMT2 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FERMT2 Antibody (C-term) Blocking Peptide - Images**FERMT2 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)