

**FERMT1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8912c****Specification**

---

**FERMT1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9BQL6](#)**FERMT1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 55612**Other Names**

Fermitin family homolog 1, Kindlerin, Kindlin syndrome protein, Kindlin-1, Unc-112-related protein 1, FERMT1, C20orf42, KIND1, URP1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8912c](/products/AP8912c) was selected from the Center region of human FERMT1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**FERMT1 Antibody (Center) Blocking Peptide - Protein Information****Name** FERMT1**Synonyms** C20orf42, KIND1, URP1**Function**

Involved in cell adhesion. Contributes to integrin activation. When coexpressed with talin, potentiates activation of ITGA2B. Required for normal keratinocyte proliferation. Required for normal polarization of basal keratinocytes in skin, and for normal cell shape. Required for normal adhesion of keratinocytes to fibronectin and laminin, and for normal keratinocyte migration to wound sites. May mediate TGF-beta 1 signaling in tumor progression.

**Cellular Location**

Cytoplasm, cytoskeleton. Cell junction, focal adhesion. Cell projection, ruffle membrane; Peripheral membrane protein; Cytoplasmic side. Note=Constituent of focal adhesions Localized at the basal

aspect of skin keratinocytes, close to the cell membrane. Colocalizes with filamentous actin. Upon TGFβ1 treatment, it localizes to membrane ruffles

**Tissue Location**

Expressed in brain, skeletal muscle, kidney, colon, adrenal gland, prostate, and placenta. Weakly or not expressed in heart, thymus, spleen, liver, small intestine, bone marrow, lung and peripheral blood leukocytes. Overexpressed in some colon and lung tumors. In skin, it is localized within the epidermis and particularly in basal keratinocytes. Not detected in epidermal melanocytes and dermal fibroblasts.

**FERMT1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**FERMT1 Antibody (Center) Blocking Peptide - Images****FERMT1 Antibody (Center) Blocking Peptide - Background**

FERMT1 is a member of the fermitin family, and contains a FERM domain and a pleckstrin homology domain. This protein is involved in integrin signaling and linkage of the actin cytoskeleton to the extracellular matrix.

**FERMT1 Antibody (Center) Blocking Peptide - References**

Goult B.T., et.al., J. Mol. Biol. 394:944-956(2009).