

FERMT1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8912c**Specification**

FERMT1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O9BQL6
Other Accession	P59113
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	268-297

FERMT1 Antibody (Center) - 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

This FERMT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 268-297 amino acids of human FERMT1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

FERMT1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

FERMT1 Antibody (Center) - 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

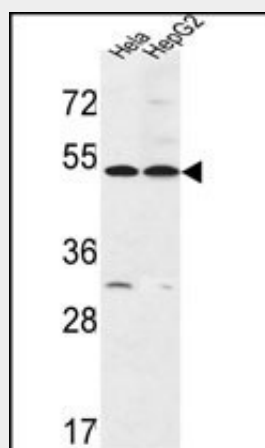
Expressed in brain, skeletal muscle, kidney, colon, adrenal gland, prostate, and placenta. Weakly or not expressed in heart, thymus, spleen, liver, small intestine, bone marrow, lung and peripheral blood leukocytes. Overexpressed in some colon and lung tumors. In skin, it is localized within the epidermis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

FERMT1 Antibody (Center) - Protocols

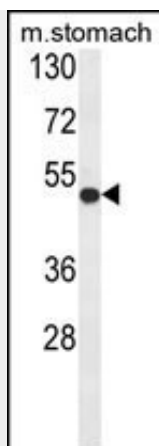
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FERMT1 Antibody (Center) - Images



FERMT1 Antibody (Center) (Cat. #AP8912c) western blot analysis in HeLa,HepG2 cell line lysates (35ug/lane).This demonstrates the FERMT1 antibody detected the FERMT1 protein (arrow).



Western blot analysis of FERMT1 Antibody (Center) (Cat. #AP8912c) in mouse stomach tissue lysates (35ug/lane). FERMT1 (arrow) was detected using the purified Pab

FERMT1 Antibody (Center) - 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) - References

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