Datasheet for ABIN7152702

anti-FERMT2 antibody (AA 155-232)

3 Images

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Overview

Quantity:	100 µg
Target:	FERMT2
Binding Specificity:	AA 155-232
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FERMT2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Fermitin family homolog 2 protein (155-232AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	FERMT2
Alternative Name:	FERMT2 (FERMT2 Products)
Background:	Background: Scaffolding protein that enhances integrin activation mediated by TLN1 and/or TLN2, but activates integrins only weakly by itself. Binds to membranes enriched in

Target Details

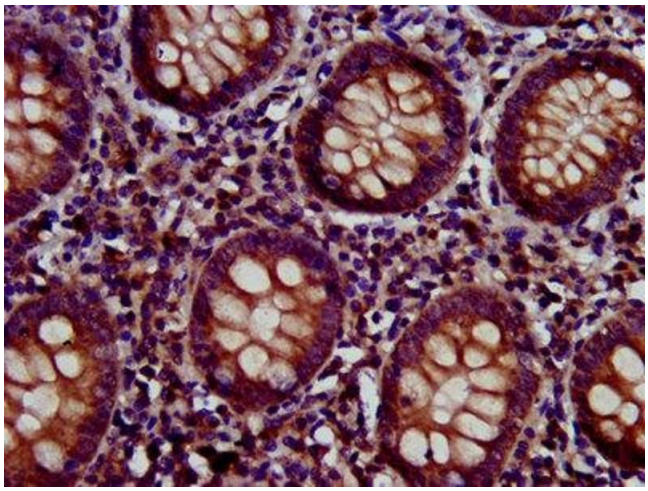
	phosphoinositides. Enhances integrin-mediated cell adhesion onto the extracellular matrix and cell spreading, this requires both its ability to interact with integrins and with phospholipid membranes. Required for the assembly of focal adhesions. Participates in the connection between extracellular matrix 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. Aliases: FLJ34213 antibody, FLJ44462 antibody, UNC112 antibody, FERM2_HUMAN antibody, Fermitin family homolog 2 antibody, Fermt2 antibody, KIND2 antibody, Kindlin-2 antibody, MIG-2 antibody, MIG2 antibody, Mitogen-inducible gene 2 protein antibody, PH domain-containing family C member 1 antibody, Pleckstrin homology domain containing family C (with FERM domain) member 1 antibody, Pleckstrin homology domain-containing family C member 1 antibody, PLEKHC1 antibody, UNC112B antibody
UniProt:	Q96AC1
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	Recommended dilution: IHC:1:500-1:1000, IF:1:50-1:200,
Restrictions:	For Research Use only

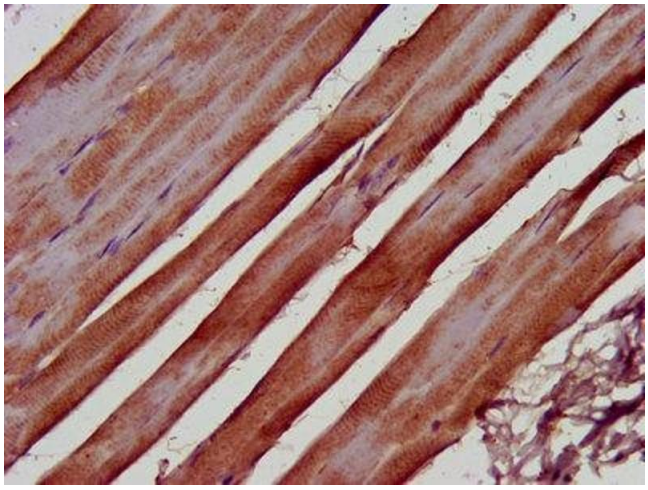
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



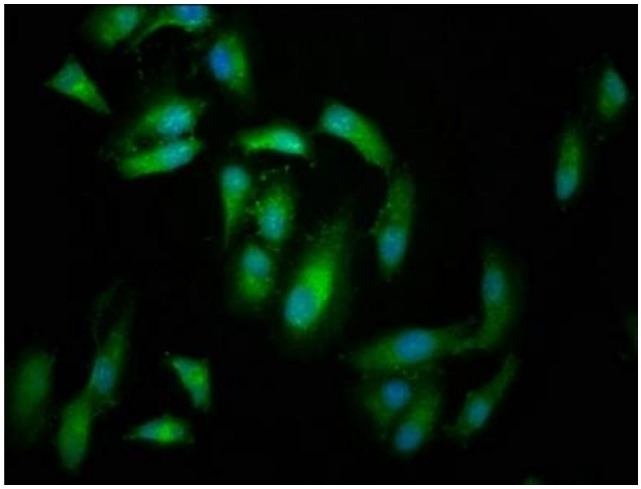
Immunohistochemistry

Image 1. IHC image of ABIN7152702 diluted at 1:500 and staining in paraffin-embedded human appendix tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 2. IHC image of ABIN7152702 diluted at 1:500 and staining in paraffin-embedded human skeletal muscle tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 3. Immunofluorescence staining of Hela cells with ABIN7152702 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

