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FRMD5 Rabbit pAb

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Catalog # AP58936

Product Information

Application	WB
Primary Accession	Q7Z6J6
Reactivity	Human
Predicted	Rat, Pig, Dog, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65065
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FRMD5
Epitope Specificity	211-312/570
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass membrane protein (Potential).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FERM domains are roughly 150 amino acids in length and are found in a number of cytoskeletal-associated proteins such as Ezrin, Radixin, Moesin and 4.1 (erythrocyte membrane protein band 4.1), where they provide a link between cytoskeletal signals and membrane dynamics. FRMD5 (FERM domain-containing protein 5) is a 570 amino acid single-pass membrane protein that contains one FERM domain and exists as two alternatively spliced isoforms. The gene encoding FRMD5 maps to human chromosome 15, which houses over 700 genes and comprises nearly 3% of the human genome. Angelman syndrome, Prader-Willi syndrome, Tay-Sachs disease and Marfan syndrome are all associated with defects in chromosome 15-localized genes.

Additional Information

Gene ID	84978
Other Names	FERM domain-containing protein 5, FRMD5
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FRMD5
Function	May be involved in regulation of cell migration (PubMed: 22846708, PubMed:25448675). May regulate cell-matrix interactions via its interaction with ITGB5 and modifying ITGB5 cytoplasmic tail interactions such as with FERMT2 and TLN1. May regulate ROCK1 kinase activity possibly involved in regulation of actin stress fiber formation (PubMed:25448675).
Cellular Location	Membrane; Single-pass membrane protein. Cell junction, adherens junction

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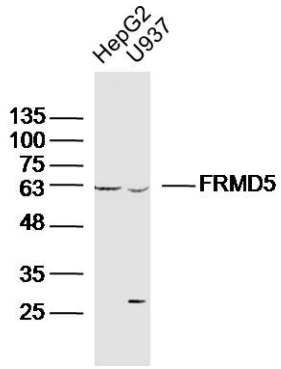
Images



Sample:
HepG2 (human)cell Lysate at 40 ug
U937 (human)cell Lysate at 40 ug
Primary: Anti-FRMD5 (AP58936)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 65 kD
Observed band size: 63 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.