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URP2/Kindlin-3 Rabbit pAb

Catalog # AP97253

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q86UX7
Other Accession	Q86UX7
Predicted	Rat, Pig, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75953
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human URP2
Epitope Specificity	401-500/667
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the kindlin family. Contains 1 FERM domain. Contains 1 PH domain.
DISEASE	Defects in FERMT3 are the cause of leukocyte adhesion deficiency type 3 (LAD3) [MIM:612840]; also called leukocyte adhesion deficiency 1 variant (LAD1v). LAD3 is a rare syndrome characterized by infections without pus formation in the presence of a leukocytosis combined with a Glanzmann-type bleeding disorder, resulting from a hematopoietic defect in integrin activation. Symptoms arise from an inability to activate the integrins expressed on hematopoietic cells, including platelets and leukocytes.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Kindlin-3 is a 667 amino acid protein that localizes to both the cell membrane and the cytoplasm and contains one PH domain and one FERM domain. Expressed at high levels in lymph node tissue and at lower levels in spleen, thymus, stomach, placenta, lung, testis and small intestine, Kindlin-3 is thought to be involved in cell adhesion events and may play a role in apoptosis. Kindlin-3 is overexpressed in B-cell malignancies, suggesting that, via its ability to affect cell adhesion, Kindlin-3 may participate in tumor transformation and metastasis. Two isforms of Kindlin-3, designated short and long, exist due to alternative splicing events.

Additional Information

Gene ID	83706
Other Names	KIND3; MIG-2; MIG2B; UNC112C; URP2; URP2SF; Kindlin3; RGD1310168; URP2_BOVIN; FERMT3; Kindlin-3; Unc-112-related protein 2; URP2_HUMAN; MIG2-like protein; URP2_MOUSE; FERM domain containing kindlin 3; fermitin family homolog 3 (Drosophila); fermitin family member 3; UNC-112 related protein 2

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	FERMT3
Synonyms	KIND3, MIG2B, URP2
Function	Plays a central role in cell adhesion in hematopoietic cells (PubMed:19234463, PubMed:26359933). Acts by activating the integrin beta-1-3 (ITGB1, ITGB2 and ITGB3) (By similarity). Required for integrin-mediated platelet adhesion and leukocyte adhesion to endothelial cells (PubMed:19234460). Required for activation of integrin beta-2 (ITGB2) in polymorphonuclear granulocytes (PMNs) (By similarity).
Cellular Location	Cell projection, podosome. Note=Present in the F-actin surrounding ring structure of podosomes, which are specialized adhesion structures of hematopoietic cells
Tissue Location	Highly expressed in lymph node. Expressed in thymus, spleen and leukocytes. Weakly expressed in placenta, small intestine, stomach, testis and lung. Overexpressed in B-cell malignancies.

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