

KINDLIN3 Antibody

Catalog # ASC10764

Product Information

Application	WB, E
Primary Accession	Q86UX7
Other Accession	NP_848537 , 41281905
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	75953
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	KINDLIN3 antibody can be used for detection of KINDLIN3 by Western blot at 1 and 2 µg/mL.

Additional Information

Gene ID	83706
Other Names	Fermitin family homolog 3, Kindlin-3, MIG2-like protein, Unc-112-related protein 2, FERMT3, KIND3, MIG2B, URP2
Target/Specificity	FERMT3;
Reconstitution & Storage	KINDLIN3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	KINDLIN3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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.

Background

KINDLIN3 Antibody: The three KINDLINS are a novel family of focal adhesion proteins, localizing to integrin adhesion sites. The KINDLIN proteins are composed of a centrally located FERM domain interrupted by a pleckstrin homology (PH) domain. KINDLIN1 and KINDLIN2 have been shown to play an essential role in integrin-mediated adhesion and spreading. In contrast to the widely expressed KINDLIN1 and KINDLIN2, KINDLIN3 is restricted to hematopoietic cells and is particularly abundant in megakaryocytes and platelets. Several reports describe a transcriptional misregulation of KINDLINS in various types of cancer. A recent study demonstrates that KINDLIN3 is essential for platelet integrin activation and subsequent integrin outside-in signaling, suggesting it may serve as a potential target for the design of therapeutics aimed at specifically disrupting integrin activation in platelets and leukocytes.

References

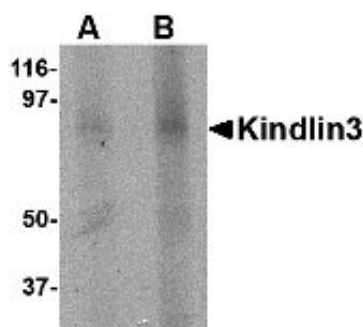
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Images



Western blot analysis of KINDLIN3 in rat spleen lysate with KINDLIN3 antibody at (A) 1 and (B) 2 µg/mL.

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