

## Rabbit Anti-URP2/Kindlin-3/PE Conjugated antibody

SL13738R-PE

<b>Product Name</b>	Anti-URP2/Kindlin-3/PE
<b>Chinese Name</b>	PE 标记的整合素结合性信号分子抗体
<b>Alias</b>	Fermitin family homolog 3; Fermitin family member 3; FERMT3; Kind3; Kindlin 3; Kindlin-3; Kindlin3; MGC10966; MIG 2; MIG2 like protein; MIG2-like protein; MIG2B; Unc 112 related protein 2; Unc-112-related protein 2; UNC112C; URP2_HUMAN; URP2SF.
<b>Research Area</b>	Tumour Cell biology Signal transduction Cell adhesion molecule
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted:Human,Mouse,Rat,Pig,Cow,Horse)
<b>Applications</b>	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	76kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human URP2
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Product Detail</b>	<b>background:</b> 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,

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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 isoforms of Kindlin-3, designated short and long, exist due to alternative splicing events.

**Function:**

Plays a central role in cell adhesion in hematopoietic cells. Acts by activating the integrin beta-1-3 (ITGB1, ITGB2 and ITGB3). Required for integrin-mediated platelet adhesion and leukocyte adhesion to endothelial cells. Required for activation of integrin beta-2 (ITGB2) in polymorphonuclear granulocytes (PMNs). Isoform 2 may act as a repressor of NF-kappa-B and apoptosis.

**Subcellular Location:**

Cell projection; podosome. Present in the F-actin surrounding ring structure of podosomes, which are specialized adhesion structures of hematopoietic cells.

**Tissue Specificity:**

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.

**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.

**Similarity:**

Belongs to the kindlin family.  
Contains 1 FERM domain.  
Contains 1 PH domain.

**Database links:**

[Entrez Gene: 83706](#) Human

[Entrez Gene: 525159](#) Cow



[Entrez Gene: 108101](#) Mouse

[Entrez Gene: 309186](#) Rat

[Omim: 607901](#) Human

[SwissProt: Q32LP0](#) Cow

[SwissProt: Q86UX7](#) Human

[SwissProt: Q8K1B8](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.