


Anti-URP2/Kindlin-3 antibody ab68040

★★★★★ 6 Abreviews 10 References 2 Images

Overview

Product name	Anti-URP2/Kindlin-3 antibody
Description	Rabbit polyclonal to URP2/Kindlin-3
Host species	Rabbit
Specificity	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Cow 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p> <p>Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.</p>

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab68040 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 µg/ml.
WB	★★★★★ (2)	Use a concentration of 1 µg/ml. Detects a band of approximately 76 kDa (predicted molecular weight: 76 kDa).

Target

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.
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.
Involvement in 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.
Sequence similarities	Belongs to the kindlin family. Contains 1 FERM domain. Contains 1 PH domain.
Domain	The FERM domain is not correctly detected by PROSITE or Pfam techniques because it contains the insertion of a PH domain.
Cellular localization	Cell projection > podosome. Present in the F-actin surrounding ring structure of podosomes, which are specialized adhesion structures of hematopoietic cells.

Images



Western blot - Anti-URP2/Kindlin-3 antibody
(ab68040)

All lanes : Anti-URP2/Kindlin-3 antibody (ab68040) at 1 µg/ml

Lane 1 : Kidney (Rat) Tissue Lysate

Lane 2 : Spleen (Mouse) Tissue Lysate

Lane 3 : Thymus (Rat) Tissue Lysate

Lysates/proteins at 10 µg/ml per lane.

Secondary

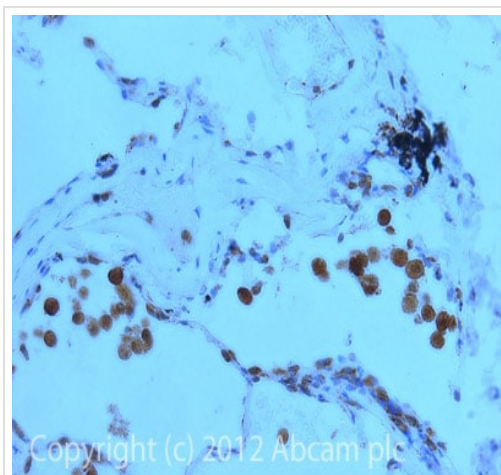
All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Performed under reducing conditions.

Predicted band size: 76 kDa

Observed band size: 76 kDa

Exposure time: 2 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-URP2/Kindlin-3 antibody
(ab68040)

IHC image of URP2/Kindlin-3 staining in Human normal lung formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab68040, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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