

Product datasheet

Anti-KACL antibody ab76711

1 Image

Overview

Product name	Anti-KACL antibody
Description	Rabbit polyclonal to KACL
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human KACL aa 50-150 conjugated to keyhole limpet haemocyanin. (Peptide available as ab103565)
Positive control	This antibody gave a positive signal in the following lysates: Human Spleen Tissue; Human Thymus Tissue; Human Small Intestine Tissue; Human Bone Marrow Tissue; Raji Whole Cell; Jurkat Whole Cell; MOLT4 Whole Cell.
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	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified

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.

Clonality Polyclonal

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab76711 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
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 32 kDa (predicted molecular weight: 20 kDa).

Target

Function Plays a role in modulating the extent of T-cell expansion. Enhances the expansion of TCR-stimulated T cells by increasing their survival through enhanced expression of anti-apoptotic proteins. May modulate the capacity of T-cells to home to lymph nodes through SELL. Facilitates dedicated immune recognition of keratinocytes via interaction with its receptor KLRF2 by stimulating natural killer cell mediated cytotoxicity.

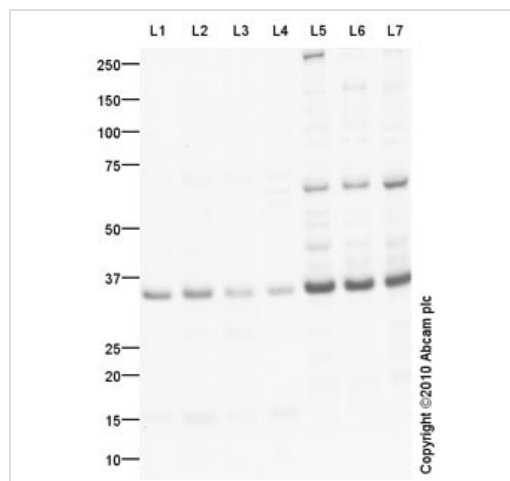
Tissue specificity Mainly expressed in skin. Also expressed in keratinocytes, spleen, thymus, small intestine, peripheral blood monocytes, bone marrow, ovary, testis and skin. High expression in CD8(+), B lymphocytes and naive CD4(+) T cells. Restricted mostly to proliferating lymphocytes. Not detected in myeloid leukocytes or natural killer (NK) cells.

Sequence similarities Contains 1 C-type lectin domain.

Post-translational modifications N-glycosylated.

Cellular localization Cell membrane.

Images



Western blot - Anti-KACL antibody (ab76711)

All lanes : Anti-KACL antibody (ab76711) at 1 µg/ml

Lane 1 : Human spleen tissue lysate - total protein ([ab29699](#))

Lane 2 : Human thymus tissue lysate - total protein ([ab30146](#))

Lane 3 : Human small intestine tissue lysate - total protein ([ab29276](#))

Lane 4 : Bone Marrow (Human) Tissue Lysate - adult normal tissue
Lane 5 : Raji (Human Burkitt's lymphoma cell line) Whole Cell Lysate

Lane 6 : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate

Lane 7 : MOLT4 (Human acute lymphoblastic leukemia cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 20 kDa

Observed band size: 32 kDa

Additional bands at: 300 kDa, 65 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 4 minutes

KACL contains a potential glycosylation site (SwissProt), which may explain its migration at a higher molecular weight than predicted. The band at 32-kDa is consistent with what has been reported in the literature (PMID:16174766).

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