




Product datasheet

Anti-carabin antibody ab77625

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Overview

Product name	Anti-carabin antibody
Description	Goat polyclonal to carabin
Host species	Goat
Tested applications	Suitable for: Flow Cyt (Intra), WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Horse, Dog, Rhesus monkey 
Immunogen	Synthetic peptide: C-PRRKPQTRGKTFH , corresponding to internal sequence amino acids 405-417 of Human carabin (NP_940919.1).  Run BLAST with  Run BLAST with
Positive control	Human spleen lysates Flow Cyt (Intra): Jurkat cells.
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. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 0.5% Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab77625 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab77625 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
Flow Cyt (Intra)		Use a concentration of 10 µg/ml.
WB		Use a concentration of 1 µg/ml. A 1 hour primary incubation is recommended for this product. Preliminary experiments in human tonsil, thymus and peripheral mononucleocytes lysates gave no specific signal but low background.

Target

Function

Inhibits the Ras signaling pathway through its intrinsic Ras GTPase-activating protein (GAP) activity. Acts as a negative feedback inhibitor of the calcineurin signaling pathway that also mediates crosstalk between calcineurin and Ras.

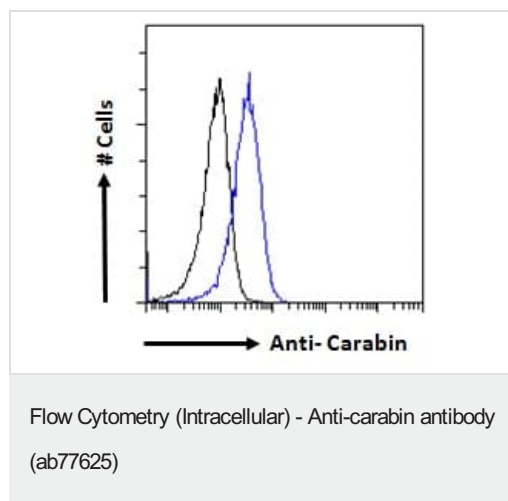
Tissue specificity

Most abundant in spleen and peripheral blood leukocytes.

Sequence similarities

Contains 1 Rab-GAP TBC domain.

Images



Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation with ab77625 for 1hr (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (1 µg/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



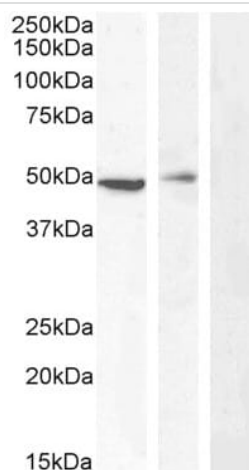
Western blot - Anti-carabin antibody (ab77625)

All lanes : Anti-carabin antibody (ab77625) at 2 µg/ml

Lane 1 : Human Spleen

Lane 2 : Mouse thymus

Lysates/proteins at 35 µg per lane.



Western blot - Anti-carabin antibody (ab77625)

Lanes 1 & 3 : Anti-carabin antibody (ab77625) at 0.5 µg/ml

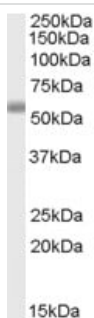
Lane 2 : Anti-carabin antibody (ab77625) at 0.3 µg/ml

Lane 1 : Jurkat cell lysate

Lane 2 : PBM cell lysates

Lane 3 : A431 cell lysate (negative control)

Lysates/proteins at 35 µg per lane.



Western blot - Anti-carabin antibody (ab77625)

Anti-carabin antibody (ab77625) at 2 µg/ml + Human Spleen lysate
in RIPA buffer at 35 µg

Observed band size: 55 kDa

Primary incubation was 1 hour.

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