

Product datasheet

Anti-PI 3 Kinase p110 delta antibody ab82457

2 Images

Overview

Product name	Anti-PI 3 Kinase p110 delta antibody
Description	Rabbit polyclonal to PI 3 Kinase p110 delta
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to PI 3 Kinase p110 delta aa 200-300 conjugated to keyhole limpet haemocyanin. (Peptide available as ab93748)
Positive control	This antibody gave a positive signal in THP1 whole cell lysate.

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 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.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab82457** 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
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WB

Application notes

WB: Use at a concentration of 1 µg/ml. Detects a band of approximately 119 kDa (predicted molecular weight: 119 kDa).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Tissue specificity

Expressed predominantly in leukocytes.

Pathway

Phospholipid metabolism; phosphatidylinositol phosphate biosynthesis.

Sequence similarities

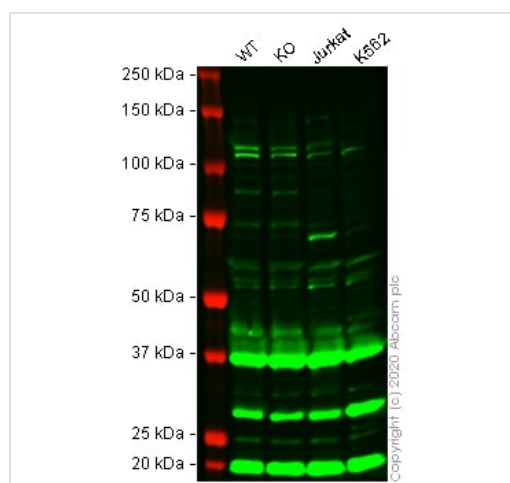
Belongs to the PI3/PI4-kinase family.

Contains 1 PI3K/PI4K domain.

Post-translational modifications

Autophosphorylation on Ser-1039 results in the almost complete inactivation of the lipid kinase activity.

Images



Western blot - Anti-PI 3 Kinase p110 delta antibody (ab82457)

All lanes : Anti-PI 3 Kinase p110 delta antibody (ab82457) at 1 µg/ml

Lane 1 : Wild-type HAP1 cell lysate

Lane 2 : PIK3CD knockout HAP1 cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : K562 cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

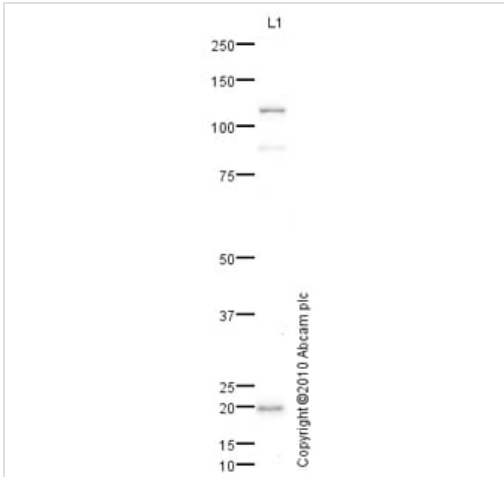
Predicted band size: 119 kDa

Observed band size: 119 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab82457 observed at 119 kDa. Red - loading control, ab8245 (Mouse anti-GAPDH antibody [6C5]) observed at 37kDa.

HAP1 wild-type and PIK3CD knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3% milk in TBS-T (0.1% Tween®) before incubation with ab82457 and ab8245

(Mouse anti-GAPDH antibody [6C5]) overnight at 4°C at 1 µg/ml and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-PI 3 Kinase p110 delta antibody (ab82457)

Anti-PI 3 Kinase p110 delta antibody (ab82457) at 1 µg/ml + THP1 (Human acute monocytic leukemia cell line) Whole Cell Lysate at 10 µg

Secondary

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

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 119 kDa

Observed band size: 119 kDa

Additional bands at: 20 kDa, 90 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 3 minutes

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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