


Product datasheet

Anti-IL-1RAPL1 antibody ab117480

1 Image

Overview

Product name	Anti-IL-1RAPL1 antibody
Description	Rabbit polyclonal to IL-1RAPL1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse Predicted to work with: Chicken, Human, Chimpanzee, Macaque monkey, Gorilla, Chinese hamster, Orangutan 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	This antibody gave a positive signal in Mouse Brain and Mouse Hippocampus tissue lysates.
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 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

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab117480 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		1/250. Detects a band of approximately 95 kDa (predicted molecular weight: 80 kDa).

Target

Function

May regulate secretion and presynaptic differentiation through inhibition of the activity of N-type voltage-gated calcium channel. May activate the MAP kinase JNK.

Tissue specificity

Detected at low levels in heart, skeletal muscle, ovary, skin, amygdala, caudate nucleus, corpus callosum, hippocampus, substantia nigra and thalamus. Detected at very low levels in tonsil, prostate, testis, small intestine, placenta, colon and fetal liver.

Involvement in disease

Defects in IL1RAPL1 are the cause of mental retardation X-linked type 21 (MRX21) [MIM:300143]. Mental retardation is a mental disorder characterized by significantly sub-average general intellectual functioning associated with impairments in adaptive behavior and manifested during the developmental period. Non-syndromic mental retardation patients do not manifest other clinical signs.

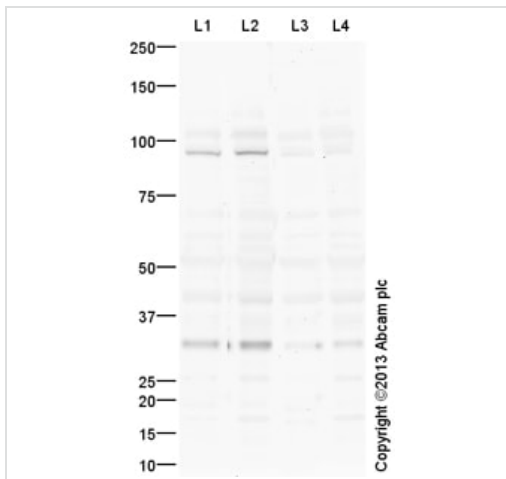
Sequence similarities

Belongs to the interleukin-1 receptor family.
Contains 3 Ig-like C2-type (immunoglobulin-like) domains.
Contains 1 TIR domain.

Cellular localization

Cell membrane. Cytoplasm. May localize to the cell body and growth cones of dendrite-like processes.

Images



Western blot - Anti-IL-1RAPL1 antibody (ab117480)

All lanes : Anti-IL-1RAPL1 antibody (ab117480) at 1/250 dilution

Lane 1 : Brain (Mouse) Tissue Lysate

Lane 2 : Mouse Hippocampus Tissue Lysate

Lane 3 : Brain (Mouse) Tissue Lysate with Immunising peptide at 1/250 dilution

Lane 4 : Mouse Hippocampus Tissue Lysate with Immunising peptide at 1/250 dilution

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 80 kDa

Observed band size: 95 kDa

Additional bands at: 103 kDa (possible non-specific binding), 32 kDa (possible non-specific binding)

Exposure time: 12 minutes

IL1RAPL1 contains a number of potential glycosylation sites (SwissProt) which may explain its migration at a higher molecular weight than predicted.

This blot was produced using a 10% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab117480 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.

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

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