

Anti-PPP2R5C antibody ab264337

1 Image

Overview

Product name	Anti-PPP2R5C antibody
Description	Rabbit polyclonal to PPP2R5C
Host species	Rabbit
Tested applications	Suitable for: IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human PPP2R5C aa 440-490. The exact sequence is proprietary. NP_002710.2 Database link: Q13362
Positive control	IP: HEK-293T whole cell lysate.
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. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituent: Tris citrate/phosphate</p>
Purity	pH 7 to 8 Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab264337 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
IP		Use at 2-10 µg/mg of lysate.

Target

Function

The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. The PP2A-PPP2R5C holoenzyme may specifically dephosphorylate and activate TP53 and play a role in DNA damage-induced inhibition of cell proliferation. PP2A-PPP2R5C may also regulate the ERK signaling pathway through ERK dephosphorylation.

Tissue specificity

Highest levels in heart, skeletal muscle and brain. Lower levels in pancreas, kidney, lung and placenta. Very low levels in liver.

Sequence similarities

Belongs to the phosphatase 2A regulatory subunit B56 family.

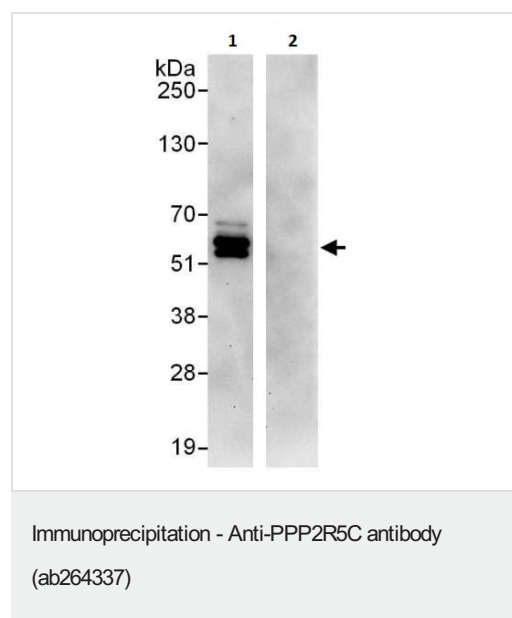
Post-translational modifications

Isoform Gamma-3 is phosphorylated on serine residues. Isoform Gamma-1 phosphorylation by ERK2 is IER3-dependent and inhibits ERK dephosphorylation by PP2A-PPP2R5C.

Cellular localization

Nucleus. Chromosome > centromere.

Images



PPP2R5C was immunoprecipitated from HEK-293T whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) using ab264337 at 6 µg/mg lysate. Western blot was performed on the immunoprecipitates using an alternative antibody.

Lane 1: ab264337 IP in HEK-293T whole cell lysate.

Lane 2: Control IgG IP in HEK-293T whole cell lysate.

Exposure time: 30 seconds.

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

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