

Datasheet: VPA00194KT

Description:	PPP2R1A ANTIBODY WITH CONTROL LYSATE
Specificity:	PPP2R1A
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

20µl Goat polyclonal antibody purified by affinity chromatography

Buffer Solution

Tris buffered saline

Preservative Stabilisers

0.02% Sodium Azide (NaN₃)
0.5% Bovine Serum Albumin

Immunogen

Peptide with sequence C-KYFAQEALTVLSLA

External Database**Links****UniProt:**[P30153](#)[Related reagents](#)**Entrez Gene:**[5518](#)

PPP2R1A

[Related reagents](#)

Specificity

Goat anti Human PPP2R1A antibody recognizes PPP2R1A, also known as PP2A subunit A isoform PR65-alpha, PP2A subunit A isoform R1-alpha, medium tumor antigen-associated 61 kDa protein, protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform, serine/threonine protein phosphatase 2A, 65 kDa regulatory subunit A, alpha isoform and serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform.

The PPP2R1A gene encodes a constant regulatory subunit of protein phosphatase 2. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. PPP2R1A encodes an alpha isoform of the constant regulatory subunit A. Alternatively spliced transcript variants have been described (provided by RefSeq, Apr 2010).

Goat anti Human PPP2R1A antibody detects a band of 60 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti PPP2R1A detects a band of approximately 60 kDa in Jurkat cell lysates.

Instructions For Use

Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Lysate Composition

400µg Jurkat lysate lyophilized in RIPA buffer.

Lysate Reconstitution

- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.

- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.

Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

Storage

Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

Guarantee

As supplied, 12 months from date of despatch.

Acknowledgements PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10058 #10561 available at:
Antibody (10058): <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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