

Datasheet for ABIN7602045  
**anti-PPP2R5B antibody (AA 56-492)**



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## Overview

Quantity:	100 µg
Target:	PPP2R5B
Binding Specificity:	AA 56-492
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP2R5B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-PPP2R5B Antibody Picoband®
Immunogen:	E.coli-derived human PPP2R5B recombinant protein (Position: Q56-A492).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PPP2R5B Antibody Picoband® (ABIN7602045). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	PPP2R5B
Alternative Name:	PPP2R5B ( <a href="#">PPP2R5B Products</a> )
Background:	<p>Synonyms: Interleukin-36 alpha, FIL1 epsilon, Interleukin-1 epsilon, IL-1 epsilon, Interleukin-1 family member 6, IL-1F6, IL36A, FIL1E, IL1E, IL1F6</p> <p>Tissue Specificity: Expressed in immune system and fetal brain, but not in other tissues tested or in multiple hematopoietic cell lines. Predominantly expressed in skin keratinocytes but not in fibroblasts, endothelial cells or melanocytes. Increased in lesional psoriasis skin.</p> <p>Background: Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit beta isoform is an enzyme that in humans is encoded by the PPP2R5B gene. The product of this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A 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 B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a beta isoform of the regulatory subunit B56 subfamily.</p>
Molecular Weight:	65 kDa
Gene ID:	5526
UniProt:	<a href="#">Q15173</a>
Pathways:	<a href="#">PI3K-Akt Signaling</a> , <a href="#">ER-Nucleus Signaling</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Boyle, M. I., Jespersgaard, C., Nazaryan, L., Ravn, K., Brondum-Nielsen, K., Bisgaard, A.-M., Tumer, Z. Deletion of 11q12.3-11q13.1 in a patient with intellectual disability and childhood facial features resembling Cornelia de Lange syndrome. Gene 572: 130-134, 2015. 2. European Consortium on MEN1. Mapping of the gene encoding the B56-beta subunit of protein phosphatase 2A (PPP2R5B) to a 0.5-Mb region of chromosome 11q13 and its exclusion as a candidate gene for multiple endocrine neoplasia type 1 (MEN1). Hum. Genet. 100: 481-485, 1997. 3. Loveday, C., Tatton-Brown, K., Clarke, M., Westwood, I., Renwick, A., Ramsay, E., Nemeth, A., Campbell, J., Joss, S., Gardner, M., Zachariou, A., Elliott, A., Ruark, E., van Montfort, R., Childhood Overgrowth Collaboration, Rahman, N. Mutations in the PP2A regulatory subunit B</p>
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Application Details

family genes PPP2R5B, PPP2R5C and PPP2R5D cause human overgrowth. Hum. Molec. Genet. 24: 4775-4779, 2015. Note: Erratum: Hum. Molec. Genet. 28: 1578 only, 2019.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.