

Product datasheet for TA338252

OriGene Technologies, Inc.

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Protein Phosphatase 1 beta (PPP1CB) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Rat, Human

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-PPP1CB antibody is: synthetic peptide directed towards the C-

terminal region of Human PPP1CB. Synthetic peptide located within the following region:

LFSAPNYCGEFDNAGGMMSVDETLMCSFQILKPSEKKAKYQYGGLNSGRP

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Affinity Purified
Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 37 kDa

Gene Name: protein phosphatase 1 catalytic subunit beta

Database Link: NP 002700

Entrez Gene 25594 RatEntrez Gene 5500 Human

P62140

Background: The protein encoded by this gene is one of the three catalytic subunits of protein

phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Mouse

studies suggest that PP1 functions as a suppressor of learning and memory. Two alternatively spliced transcript variants encoding distinct isoforms have been observed.





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Synonyms: HEL-S-80p; PP-1B; PP1B; PP1beta; PPP1CD

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:

100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%; Yeast:

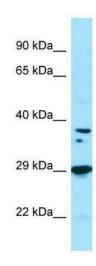
86%

Protein Families: Druggable Genome, Phosphatase

Protein Pathways: Focal adhesion, Insulin signaling pathway, Long-term potentiation, Oocyte meiosis, Regulation

of actin cytoskeleton, Vascular smooth muscle contraction

Product images:



WB Suggested Anti-PPP1CB Antibody; Titration: 1.0 ug/ml; Positive Control: Fetal Liver