

Datasheet for ABIN2789677
anti-CPI-17 antibody (N-Term)[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	CPI-17 (PPP1R14A)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Pig, Cow, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPI-17 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	GKRVLSKLQS PSRARGPGGS PGGLQKRHAR VTVKYDRREL QRRLDVEKWI
Predicted Reactivity:	Cow: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against PPP1R14A. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	CPI-17 (PPP1R14A)
Alternative Name:	PPP1R14A (PPP1R14A Products)
Background:	The protein encoded by this gene belongs to the protein phosphatase 1 (PP1) inhibitor family. This protein is an inhibitor of smooth muscle myosin phosphatase, and has higher inhibitory

Target Details

activity when phosphorylated. Inhibition of myosin phosphatase leads to increased myosin phosphorylation and enhanced smooth muscle contraction. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

Alias Symbols: CPI-17, CPI17, PPP1INL

Protein Interaction Partner: cki1, CSNK1G1, YWHAZ, PRKCZ, PRKD1, PRKCH, PRKCE, PRKCA, CSNK1G3, CSNK1G2, CSNK1E, CSNK1D, CSNK1A1, APP, PRNP, UBC, PRKCG,

Protein Size: 147

Molecular Weight: 17 kDa

Gene ID: 94274

NCBI Accession: [NM_033256](#), [NP_150281](#)

UniProt: [Q96A00](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 147 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

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

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Xiong, Xia, Tang, Pan, Mei, Xiong: "Retromer in Osteoblasts Interacts With Protein Phosphatase 1 Regulator Subunit 14C, Terminates Parathyroid Hormone's Signaling, and Promotes Its Catabolic Response." in: **EBioMedicine**, Vol. 9, pp. 45-60, (2016) ([PubMed](#)).

Images

