

## **Product datasheet for TA358580**

## Product datasneet for 1A556560

## **PPP1R14A Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Reactivity: Human
Host: Rabbit

Clonality: Polyclonal

**Specificity: Expected reactivity**: Cow, Human, Mouse, Pig, Rabbit, Rat

Homology: Cow: 100%; Human: 100%; Mouse: 93%; Pig: 100%; Rabbit: 100%; Rat: 93%

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.

**Concentration:** lot specific

Purification: Affinity Purified
Conjugation: Unconjugated

**Storage:** 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.

**Stability:** Shelf life: one year from despatch.

**Predicted Protein Size:** 17kDa

**Gene Name:** protein phosphatase 1 regulatory inhibitor subunit 14A

Database Link: NP 150281

Entrez Gene 94274 Human

Q96A00

**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 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.

**Synonyms:** CPI-17; CPI17; PPP1INL

**Protein Families:** Druggable Genome



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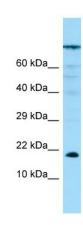
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**Protein Pathways:** Vascular smooth muscle contraction

## **Product images:**



WB Suggested Anti-PPP1R14A Antibody Titration: 1.0 ug/ml Positive Control: PANC1 Whole Cell