

## Anti-Phospho-CPI17/PPP1R14A (T38) Antibody

Catalog Number: P05752

### About PPP1R14A

Protein phosphatase 1 regulatory subunit 14A, also known as CPI-17, is a protein that in humans is encoded by the PPP1R14A gene. 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.

### Overview

Product Name	Anti-Phospho-CPI17/PPP1R14A (T38) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-CPI17/PPP1R14A (T38) Antibody catalog # P05752. Tested in WB, IHC, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q96A00

### Technical Details

Immunogen	A synthesized peptide derived from human CPI17alpha around the phosphorylation site of Thr38.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200 Immunocytochemistry/Immunofluorescence, 1:50-200

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