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PPP1R1A Antibody

Rabbit mAb
Catalog # AP90790

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	Q13522
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	I 1; I1; Inhibitor 1; IPP1; Ppp1r1a; Protein phosphatase 1 regulatory (inhibitor) subunit 1A;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	18939

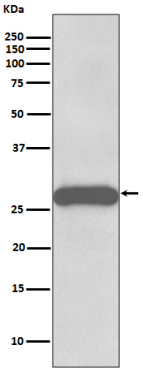
Additional Information

Dilution	WB 1:5000~1:20000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:20 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PPP1R1A
Description	Plays a role in regulating the phosphorylation of other proteins, and is itself phosphorylated by a cyclic AMP-dependent protein kinase at Threonine 35. In addition, the proline-directed kinases Cdk1, Cdk5, and mitogen-activated protein kinase (MAPK) mediate in vitro phosphorylation of IPP-1 at the phylogenetically conserved position Serine 67.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	PPP1R1A
Synonyms	IPP1
Function	Inhibitor of protein-phosphatase 1. This protein may be important in hormonal control of glycogen metabolism. Hormones that elevate intracellular cAMP increase I-1 activity in many tissues. I-1 activation may impose cAMP control over proteins that are not directly phosphorylated by PKA. Following a rise in intracellular calcium, I-1 is inactivated by calcineurin (or PP2B). Does not inhibit type-2 phosphatases.

Images



Western blot analysis of PPP1R1A expression in Rat brain lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.