

Rabbit anti-Human PPP1R14D Polyclonal Antibody | anti-PPP1R14D antibody

PPP1R14D Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325000	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

PPP1R14D; Polyclonal Antibody; PPP1R14D Antibody; CPI17-like; Gastrointestinal and brain-specific PP1-inhibitory protein 1; GBPI; GBPI-1; GBPI1; Gut and brain phosphatase inhibitor 1; PKC dependent PP1 inhibitory protein; PP14D_HUMAN; Ppp1r14d; Protein phosphatase 1 regulatory subunit 14D; Protein phosphatase 1; regulatory (inhibitor) subunit 14D; anti-PPP1R14D antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	PPP1R14D antibody detects endogenous levels of total PPP1R14D
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	145
Applicable Applications for anti-PPP1R14D antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm.
Tissue Specificity	Detected in colon, intestine, kidney and brain cortex.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Dog
Similarity	Bovine (82%), Horse (91%), Sheep (82%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from COLO cells using PPP1R14D antibody.



IF (Immunofluorescence)

AAA325000 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP1R14D antibody	Function: Inhibitor of PPP1CA. Has inhibitory activity only when phosphorylated, creating a molecular switch for regulating the phosphorylation status of PPP1CA substrates and smooth muscle contraction. Post-translational Modifications: Phosphorylated on several residues. Similarity: Belongs to the PP1 inhibitor family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8923226
NCBI GeneID	54866
NCBI Accession #	NP_060196.1
NCBI GenBank Nucleotide #	NM_017726.7
UniProt Accession #	Q9NXH3; Q4V773
Molecular Weight	Observed: 24 kD Predicted: 17 kDa
NCBI Official Full Name	protein phosphatase 1 regulatory subunit 14D isoform 1
NCBI Official Synonym Full Names	protein phosphatase 1 regulatory inhibitor subunit 14D
NCBI Official Symbol	PPP1R14D
NCBI Official Synonym Symbols	GBPI1; GBPI-1; CPI17-like
NCBI Protein Information	protein phosphatase 1 regulatory subunit 14D
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 14D
UniProt Gene Name	PPP1R14D
UniProt Synonym Gene Names	GBPI; GBPI-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ppp1r14d-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325000>