

Rabbit PP2A Monoclonal Antibody | anti-PP2A antibody

PP2A (Phospho-Y307) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA311005	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot

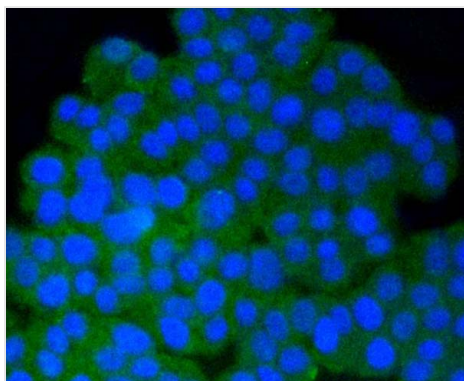
PRODUCT SYNONYMS

PP2A; Monoclonal Antibody; PP2A (Phospho-Y307) Antibody; PP2A A antibody; PP2A alpha antibody; PP2A B antibody; PP2A beta antibody; PP2A-alpha antibody; PP2AA_HUMAN antibody; PP2Ac antibody; PP2CB antibody; PPP2CA antibody; PPP2CB antibody; Protein phosphatase 2 catalytic subunit alpha isoform antibody; Protein phosphatase 2 catalytic subunit beta isoform antibody; Replication protein C antibody; RP C antibody; RP-C antibody; Serine/threonine protein phosphatase 2A catalytic subunit alpha isoform antibody; Serine/threonine protein phosphatase 2A catalytic subunit beta isoform antibody; Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform antibody; anti-PP2A antibody

PRODUCT SPECIFICATIONS

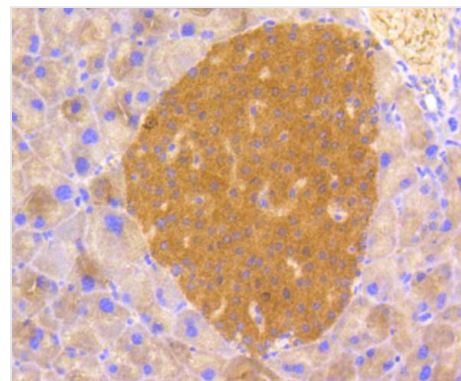
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	ST49-05
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PP2A antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Synthetic phospho-peptide corresponding to residues surrounding Tyr307 of human PP2A.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



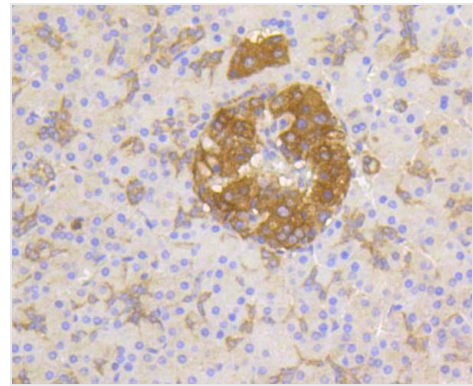
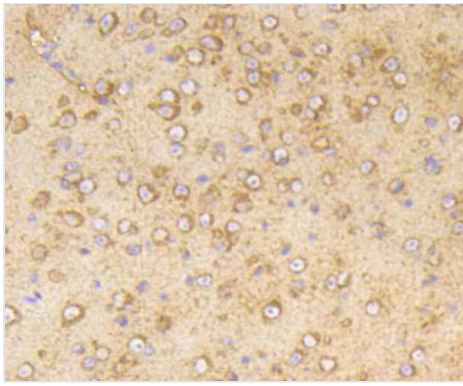
ICC (Immunocytochemistry)

ICC staining Phospho-PP2A (pY307) in PC12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



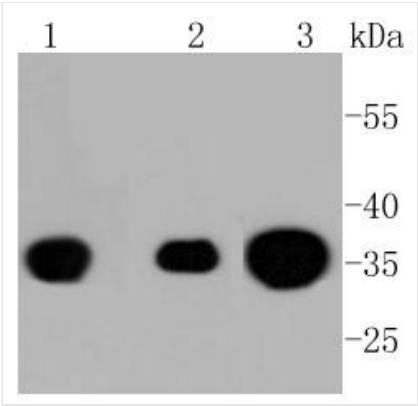
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue using anti-Phospho-PP2A (pY307) antibody. Counter stained with hematoxylin.



IHC (Immunohistochemisry)
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Phospho-PP2A (pY307) antibody. Counter stained with hematoxylin.

IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-Phospho-PP2A (pY307) antibody. Counter stained with hematoxylin.



WB (Western Blot)
Western blot analysis of Phospho-PP2A (pY307) on different lysates using anti-Phospho-PP2A (pY307) antibody at 1/1, 000 dilution. Positive control: Lane 1: A431 Lane 2: F9 Lane 3: PC12

ADDITIONAL INFORMATION

Related Product Information for anti-PP2A antibody	Protein phosphatase type 2A (PP2A) is an essential protein serine/threonine phosphatase that is conserved in all eukaryotes. PP2A is a key enzyme within various signal transduction pathways as it regulates fundamental cellular activities such as DNA replication, transcription, translation, metabolism, cell cycle progression, cell division, apoptosis and development. The core enzyme consists of catalytic C and regulatory A (or PR65) subunits, with each subunit represented by alpha and beta isoforms. Additional regulatory subunits belong to four different families of unrelated proteins. Both the B (or PR55) and B' regulatory protein families contain alpha, beta , gamma and delta isoforms, with the B' family also including an epsilon protein. B'' family proteins include PR72, PR130, PR59 and PR48 isoforms, while striatin (PR110) and SG2NA (PR93) are both members of the B''' regulatory protein family. These B subunits competitively bind to a shared binding site on the core A subunit. This variable array of holoenzyme components, particularly regulatory B subunits, allows PP2A to act in a diverse set of functions. PP2A function is regulated by expression, localization, holoenzyme composition and post-translational modification. Phosphorylation of PP2A at Tyr307 by Src occurs in response to EGF or insulin and results in a substantial reduction of PP2A activity. Reversible methylation on the carboxyl group of Leu309 of PP2A has been observed. Methylation alters the conformation of PP2A, as well as its localization and association with B regulatory subunits.
Product Categories/Family for anti-PP2A antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	50402236
NCBI GeneID	5516
UniProt Accession #	P62714; P11082; Q6FHK5; D3DSV4

Molecular Weight	309
NCBI Official Full Name	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform
NCBI Official Synonym Full Names	protein phosphatase 2, catalytic subunit, beta isozyme
NCBI Official Symbol	PPP2CB
NCBI Official Synonym Symbols	PP2CB; PP2Abeta
NCBI Protein Information	serine/threonine-protein phosphatase 2A catalytic subunit beta isoform; PP2A-beta; protein phosphatase type 2A catalytic subunit; protein phosphatase 2, catalytic subunit, beta isoform; protein phosphatase 2A catalytic subunit, beta isoform; protein phospho
UniProt Protein Name	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform
UniProt Gene Name	PPP2CB
UniProt Synonym Gene Names	PP2A-beta
UniProt Entry Name	PP2AB_HUMAN

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/monoclonal/pp2a-antibody-clone-st49-05-flow-cytometry-immunoprecipitation-immunohistochemistry-immunofluorescence-immunocytochemistry-western-blot-elisa/311005>