

Rabbit anti-Human PPP2R4 Polyclonal Antibody | anti-PPP2R4 antibody

PPP2R4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA230411	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

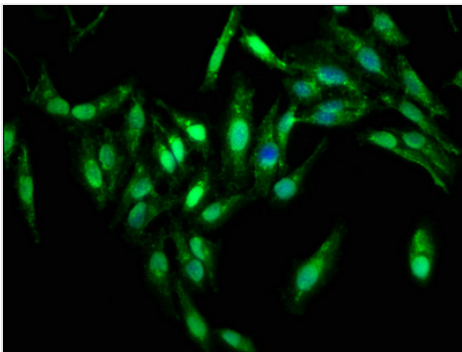
PRODUCT SYNONYMS

PPP2R4; Polyclonal Antibody; PPP2R4 Antibody; Serine/threonine-protein phosphatase 2A activator (EC:5.2.1.8); PTPA; PP2A; subunit B'; PR53 isoform; Phosphotyrosyl phosphatase activator; Serine/threonine-protein phosphatase 2A regulatory subunit 4; Serine/threonine-protein phosphatase 2A regulatory subunit B'; anti-PPP2R4 antibody

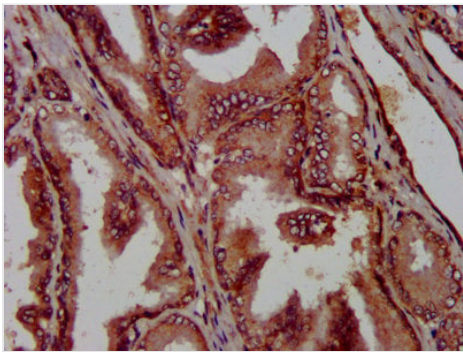
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	288
Applicable Applications for anti-PPP2R4 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Serine/threonine-protein phosphatase 2A activator protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-163256 / sc-163255
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

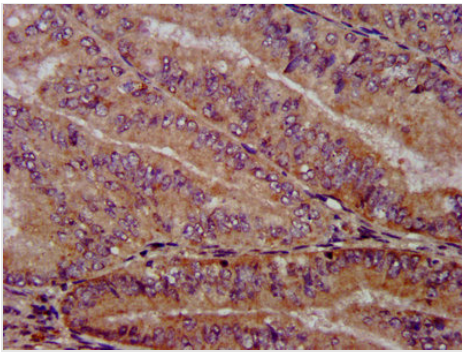
IMAGES



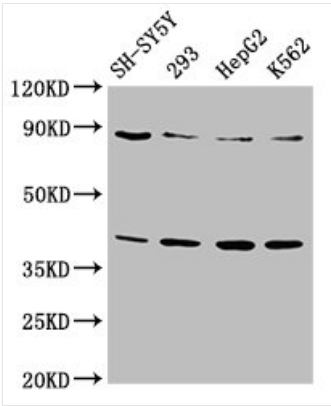
IF (Immunofluorescence)
Immunofluorescence staining of Hela cells with AAA230411 at 1:333, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)
IHC image of AAA230411 diluted at 1:1000 and staining in paraffin-embedded human prostate tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)
IHC image of AAA230411 diluted at 1:1000 and staining in paraffin-embedded human endometrial cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)
Western Blot Positive WB detected in: SH-SY5Y whole cell lysate, 293 whole cell lysate, HepG2 whole cell lysate, K562 whole cell lysate. All lanes: PPP2R4 antibody at 3.3ug/ml. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 41, 37, 34, 32 KDa. Observed band size: 41 KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP2R4 antibody	PPLases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Acts as a regulatory subunit for serine/threonine-protein phosphatase 2A (PP2A) modulating its activity or substrate specificity, probably by inducing a conformational change in the catalytic subunit, a proposed direct target of the PPLase. Can reactivate inactive phosphatase PP2A-phosphatase methylesterase complexes (PP2A(i)) in presence of ATP and Mg(2+) (By similarity). Reversibly stimulates the variable phosphotyrosyl phosphatase activity of PP2A core heterodimer PP2A(D) in presence of ATP and Mg(2+) (in vitro). The phosphotyrosyl phosphatase activity is dependent of an ATPase activity of the PP2A(D):PPP2R4 complex. Is involved in apoptosis; the function appears to be independent from PP2A.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	301129290
NCBI GeneID	5524
NCBI Accession #	NP_001180326.1
NCBI GenBank Nucleotide #	NM_001193397.1
UniProt Accession #	Q15257; Q15258; Q53GZ3; Q5TZQ2; Q9BUK1; Q9NNZ7; Q9NNZ8; Q9NNZ9; A2A347; A9IZU4; B4DXM4

Molecular Weight	31,859 Da
NCBI Official Full Name	serine/threonine-protein phosphatase 2A activator isoform e
NCBI Official Synonym Full Names	protein phosphatase 2A regulatory subunit 4
NCBI Official Symbol	PPP2R4
NCBI Official Synonym Symbols	PP2A; PR53; PTPA
NCBI Protein Information	serine/threonine-protein phosphatase 2A activator
UniProt Protein Name	Serine/threonine-protein phosphatase 2A activator
UniProt Gene Name	PPP2R4
UniProt Synonym Gene Names	PTPA; PTPA
UniProt Entry Name	PTPA_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/polyclonal/ppp2r4-antibody-immunohistochemistry-western-blot-elisa/230411>