

Rabbit anti-Human PPP4C Polyclonal Antibody | anti-PPP4C antibody

Anti-PPP4C Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256036	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PPP4C; Polyclonal Antibody; Anti-PPP4C Antibody; Rabbit Polyclonal; PPP4C Antibody; Rabbit PAb; Antigen Affinity Purified; protein phosphatase 4; catalytic subunit; Anti-PP-X Antibody; Anti-PP4 Antibody; Anti-PP4C Antibody; Anti-PPH3 Antibody; Anti-PPP4 Antibody; Anti-PPX Antibody; anti-PPP4C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PPP4C
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PPP4C antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human PPP4C fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PPP4C fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

PPP4C was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate, 4 uL anti-PPP4C rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PPP4C rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 35 kDa. Observed band size: 35 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human PPP4C in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-PPP4C rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 35 kDa Observed band size: 35 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-PPP4C antibody	The mammalian orthologue of Pph3p is the protein serine/threonine phosphatase Ppp4c, which is found in high molecular mass complexes bound to a regulatory subunit R2. Protein phosphatase 4 (PP4), encoded by the ppp4c gene, is a ubiquitously expressed phosphatase that has been implicated in the regulation of cytokine signaling and lymphocyte survival; recent reports suggest that PP4 may be involved in pre-TCR signaling and B cell development. Ppp4c is a critical positive regulator of BMP/Smad signaling during embryonic dorsoventral pattern formation in zebrafish. Ppp4c is required for the organization of the actin cytoskeleton at the leading edge of human cells during migration. The active forms of the RhoGTPases, Rac1, and Cdc42 are substantially decreased in the presence and absence of growth factor in Ppp4c depleted cells, implicating Ppp4c in the regulation of these GTPases.
Product Categories/Family for anti-PPP4C antibody	Phosphatases and Regulators
References	Martin-Granados C, et al. (2008) Depletion of protein phosphatase 4 in human cells reveals essential roles in centrosome maturation, cell migration and the regulation of rho gtpases. Int J Biochem Cell Biol 40 (10): 2315-2332. Liao FH, et al. (2014) Protein phosphatase 4 is an essential positive regulator for treg development, function, and protective gut immunity. Cell Biosci 4 25. Hastie CJ, et al. (2006) The saccharomyces cerevisiae orthologue of the human protein phosphatase 4 core regulatory subunit r2 confers resistance to the anticancer drug cisplatin. Febs j 273 (14): 3322-3334.

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/ppp4c-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256036>