

Rabbit anti-Human PPM1B Polyclonal Antibody | anti-PPM1B antibody

Anti-PPM1B Antibody, Rabbit Polyclonal

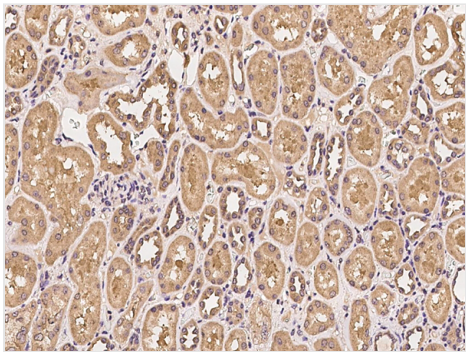
CATALOG # AAA256034	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

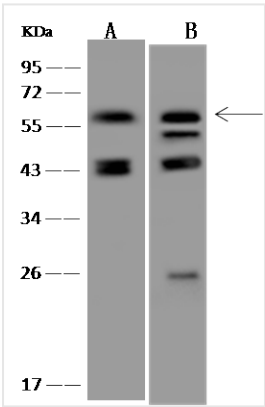
PPM1B; Polyclonal Antibody; Anti-PPM1B Antibody; Rabbit Polyclonal; PPM1B Antibody; Rabbit PAb; Antigen Affinity Purified; protein phosphatase; Mg2+/Mn2+ dependent; 1B; Anti-PP2C-beta Antibody; Anti-PP2C-beta-X Antibody; Anti-PP2CB Antibody; Anti-PP2CBETA Antibody; Anti-PPC2BETAX Antibody; anti-PPM1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PPM1B
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PPM1B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human PPM1B fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PPM1B 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.



IHC (Immunohistochemistry)
Immunochemical staining of human PPM1B in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Anti-PPM1B rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: NIH3T3 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: 53 kDa Observed band size: 57 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PPM1B antibody	PPM1B is a metal-dependent serine/threonine protein phosphatase, with a similar structure and function to the well-known oncogene in breast cancer, PPM1D (WIP1). PPM1B is a member of the protein phosphatase 2C family and plays a role in negatively regulating p53 and NF-kappaB thereby possibly attenuating the gene expression program of cellular senescence. PPM1B is a critical regulator of both p38 MAPK-dependent and independent senescence pathways during the normal cellular aging process and catalyzes the dephosphorylation of a variety of phosphorylated proteins. PPM1B plays a negative role in the activation of the p38-RB1-E2F1 pathway and that targeting PPM1B could be useful in certain types of cancer by stimulating chemotherapy-induced cell death. Protein phosphatase PPM1B is reported to dephosphorylate IKKbeta, thereby terminating IKKbeta-mediated NF-kappaB activation.
Product Categories/Family for anti-PPM1B antibody	Phosphatases and Regulators
References	Yang J, et al. (2016) Mir-186 downregulates protein phosphatase ppm1b in bladder cancer and mediates g1-s phase transition. Tumour Biol 37 (4): 4331-4341. Park JH, et al. (2014) Ppm1b depletion induces premature senescence in human imr-90 fibroblasts. Mech Ageing Dev 138 45-52. Miller RE, et al. (2018) Ppm1b depletion in u2os cells supresses cell growth through rb1-e2f1 pathway and stimulates bleomycin-induced cell death. Biochem Biophys Res Commun 500 (2): 391-397. Ishii N, et al. (2019) A heterozygous deficiency in protein phosphatase ppm1b results in an altered ovulation number in mice. Mol Med Rep 19 (6): 5353-5360.

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/ppm1b-antibody-immunohistochemistry-western-blot-elisa/256034>