

Rabbit PPM1D Polyclonal Antibody | anti-PPM1D antibody

PPM1D Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40793	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

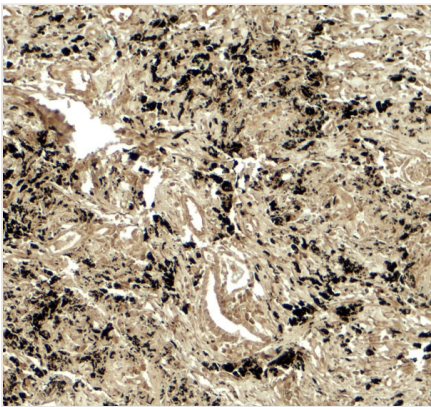
PRODUCT SYNONYMS

PPM1D; Polyclonal Antibody; PPM1D Antibody; Protein phosphatase Mg2+/Mn2+ dependent 1D; p53-induced protein phosphatase 1; PP2C-DELTA; Protein phosphatase 1D; WIP1 ; anti-PPM1D antibody

PRODUCT SPECIFICATIONS

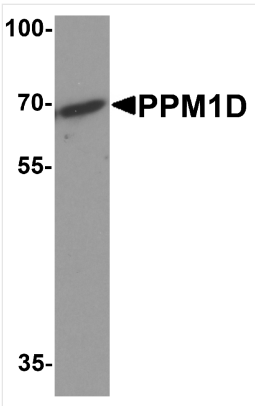
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PPM1D antibody is human, mouse and rat reactive. At least two isoforms of PPM1D are known to exist; this antibody will only detect the larger isoform.
Purity/Purification	PPM1D antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	605
Applicable Applications for anti-PPM1D antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PPM1D antibody was raised against an 18 amino acid peptide near the carboxy terminus of human PPM1D.
Buffer	PPM1D antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PPM1D antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of PPM1D in human lung carcinoma tissue with PPM1D antibody at 20 μ g/ml.

IHC (Immunohistochemistry)
Immunohistochemistry of PPM1D in human lung carcinoma tissue with PPM1D antibody at 5 μ g/ml.



WB (Western Blot)
Western blot analysis of PPM1D in 3T3 cell lysate with PPM1D antibody at 1 μ g/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-PPM1D antibody	Wild-type p53 induced phosphatase 1 (WIP1) / protein phosphatase magnesium-dependent 1 delta (PPM1D), a protein identified in the p53 DNA response pathway, is a member of the PP2C family of serine/threonine protein phosphatases which selectively inactivates p38 MAPK and dephosphorylates the ATM/ATR targets, Chk1 and p53 (1,2). Studies have shown that it is overexpressed in human cancers and is involved in the regulation of multiple DNA damage signaling pathways (2,3). PPM1D deletion results in a reduction of T and B cell function and compromised cell division, rendering cells resistant to becoming cancerous and slowing tumor development (4,5).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505997
NCBI GeneID	8493
NCBI Accession #	NP_003611
NCBI GenBank Nucleotide #	NM_003620.3
UniProt Accession #	Q8IVR6; Q53XP4; Q6P991; O15297
Molecular Weight	Predicted: 67 kDa Observed: 68 kDa
NCBI Official Full Name	protein phosphatase 1D
NCBI Official Synonym Full Names	protein phosphatase, Mg2+/Mn2+ dependent, 1D

NCBI Official Symbol	PPM1D
NCBI Official Synonym Symbols	WIP1; PP2C-DELTA
NCBI Protein Information	protein phosphatase 1D; protein phosphatase Wip1; wild-type p53-induced phosphatase 1; protein phosphatase 2C delta isoform; protein phosphatase 1D magnesium-dependent, delta isoform
UniProt Protein Name	Protein phosphatase 1D
UniProt Gene Name	PPM1D
UniProt Synonym Gene Names	WIP1; PP2C-delta
UniProt Entry Name	PPM1D_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/ppm1d-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40793>