

Rabbit anti-Human PPM1F Polyclonal Antibody | anti-PPM1F antibody

PPM1F Antibody (N-term)

CATALOG # AAA284003	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

PPM1F; Polyclonal Antibody; PPM1F Antibody (N-term); Protein phosphatase 1F; Ca(2+)/calmodulin-dependent protein kinase phosphatase; CaM-kinase phosphatase; CaMKPase; Partner of PIX 2; Protein fem-2 homolog; hFem-2; KIAA0015; POPX2; anti-PPM1F antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PPM1F antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-40 amino acids from the N-terminal region of human PPM1F.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	11-40
Sequence Length	454
Applicable Applications for anti-PPM1F antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of PPM1F (arrow) using PPM1F Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PPM1F gene (Lane 2) (Origene Technologies).



WB (Western Blot)

Western blot analysis of anti-PPM1F Pab in mouse liver tissue lysate (35ug/lane).
PPM1F(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PPM1F antibody	PPM1F is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase can interact with Rho guanine nucleotide exchange factors (PIX), and thus block the effects of p21-activated kinase 1 (PAK), a protein kinase mediating biological effects downstream of Rho GTPases. Calcium/calmodulin-dependent protein kinase II gamma (CAMK2G/CAMK-II) is found to be one of the substrates of this phosphatase. The overexpression of this phosphatase or CAMK2G has been shown to mediate caspase-dependent apoptosis.
Product Categories/Family for anti-PPM1F antibody	Cell Biology; Signal transduction
References	Harvey, B.P., et al., J. Biol. Chem. 279(23):24889-24898 (2004). Izmailova, E., et al., Nat. Med. 9(2):191-197 (2003). Koh, C.G., et al., Curr. Biol. 12(4):317-321 (2002). Tan, K.M., et al., J. Biol. Chem. 276(47):44193-44202 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	7661862
NCBI GeneID	9647
NCBI Accession #	NP_055449.1
NCBI GenBank Nucleotide #	NM_014634.3
UniProt Accession #	P49593; Q96PM2; A8K6G3; B7Z2C3
Molecular Weight	49831
NCBI Official Full Name	protein phosphatase 1F
NCBI Official Synonym Full Names	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1F
NCBI Official Symbol	PPM1F
NCBI Official Synonym Symbols	CAMKP; FEM-2; POPX2; hFEM-2; CaMKPase
NCBI Protein Information	protein phosphatase 1F
UniProt Protein Name	Protein phosphatase 1F
UniProt Gene Name	PPM1F
UniProt Synonym Gene Names	KIAA0015; POPX2; CaM-kinase phosphatase; CaMKPase; hFem-2
UniProt Entry Name	PPM1F_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/ppm1f-antibody-immunohistochemistry-western-blot-elisa/284003>