

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

Anti-PPM1F Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127474	Rabbit	Human	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

PPM1F; Polyclonal Antibody; Anti-PPM1F Antibody Picoband; Chromaffin granule amine transporter; SRY-box 15; Protein SOX-15; Protein SOX-12; Protein SOX-20; SOX15; SOX12; SOX20; SOX26; SOX27; anti-PPM1F antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Widely expressed in fetal and adult tissues examined, highest level found in fetal spinal cord and adult brain and testis.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-PPM1F antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human PPM1F recombinant protein (Position: E17-S454).
Subcellular Localization	Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Binds to the 5'-ACAAT-3' sequence.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 2. IF analysis of PPM1F using anti-PPM1F antibody (AAA127474) and anti-Beta Tubulin antibody (M01857-3). PPM1F was detected in immunocytochemical section of A549 cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-PPM1F Antibody (AAA127474) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of PPM1F using anti-PPM1F antibody (AAA127474). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human K562 whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human Hela whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PPM1F antigen affinity purified polyclonal antibody (#AAA127474) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PPM1F at approximately 54 kDa. The expected band size for PPM1F is at 50 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PPM1F antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-PPM1F antibody	Primary Antibodies; Golgi Proteins; Protein Trafficking; Signal Transduction; Vesicle Transport
References	1. Gross, M. B. Personal Communication. Baltimore, Md. 4/30/2021.2. Ishida, A., Sueyoshi, N., Kameshita, I. Functions and dysfunctions of Ca(2+)/calmodulin-dependent protein kinase phosphatase (CaMKP/PPM1F) and CaMKP-N/PPM1E. Arch. Biochem. Biophys. 640: 83-92, 2018.3. Kim, P. R., Koon, Y. L., Lee, R. T. C., Azizan, F., Koh, D. H. Z., Chiam, K.-H., Koh, C.-G. Phosphatase POPX2 interferes with cell cycle by interacting with Chk1. Cell Cycle 19: 405-418, 2020.

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	38,518 Da
NCBI Official Full Name	protein phosphatase 1F
NCBI Official Synonym Full Names	protein phosphatase, Mg2+/Mn2+ dependent, 1F
NCBI Official Symbol	PPM1F
NCBI Official Synonym Symbols	CAMKP; FEM-2; POPX2; hFEM-2; CaMKPase
NCBI Protein Information	protein phosphatase 1F; Ca(2+)/calmodulin-dependent protein kinase phosphatase; CaM-kinase phosphatase; PP2C phosphatase; partner of PIX 2; protein fem-2 homolog; protein phosphatase 1F (PP2C domain containing)
UniProt Protein Name	Protein phosphatase 1F
UniProt Gene Name	PPM1F
UniProt Synonym Gene Names	KIAA0015; POPX2; CaM-kinase phosphatase; CaMKPase; hFem-2

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-immunofluorescence-immunocytochemistry-western-blot-elisa/127474>