Mouse PPM1H IgG1 Monoclonal Antibody | anti-PPM1H antibody

Human Anti-Human PPM1H Monoclonal IgG1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254072	**Mouse**	**Human, Mouse, Rat**	**Immunofluorescence, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

PPM1H IgG1; Monoclonal Antibody; Human Anti-Human PPM1H Monoclonal IgG1; PPM1H Antibody; Clone 10D2: ATTO 488; PPM1H Antibody: ATTO 488; PPM1H; Protein phosphatase Mg2+/Mn2+ dependent 1H Antibody; NERPP2C; Protein phosphatase 1H Antibody; anti-PPM1H antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	10D2
Specificity	Detects ~55kDa
Purity/Purification	Protein G Purified
Form/Format	PBS pH 7.4, 50% glycerol, 0.09% sodium azide *Storage buffer may change when conjugated
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PPM1H antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen Species	Human
Immunogen	Recombinant Human PPM1H Protein
Conjugation	ATTO 488
Tissue Specificity	Parathyroid gland
Research Area	Neuroscience, Neurodegeneration, Parkinson's Disease, Cancer, Tumor Biomarkers, Oncoproteins, Signal Transducers, Cell Signaling, Protein Phosphorylation, Serine / Threonine Kinases
Cellular Localization	Intracellular
Certificate of Analysis	A 1:1000 dilution was sufficient for detection of PPM1H in 10 ug of Hu, Ms, Rt Kidney Cells (HEK293), Alveolar Basal Epithelial cells by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary antibody.
Preparation and Storage	Store at -20 degree C

IMAGES

WB (Western Blot)
Western BlotanalysisofHu,Ms,RtKidneyCells(HEK293),AlveolarBasalEpithelialcells(A549)showingdetectionof~55PPM1HproteinusingMouseAnti-PPM1HMonoclonalAntibody,Clone10D2 .Lane1:MWLadder.Lane2:A549.Lane3:HEK293..Load:30ug.Block:5%SkimMilkinTBST,1h,RT.PrimaryAntibody:MouseAnti-PPM1HMonoclonalAntibody at1:1000forOvernight,4C.SecondaryAntibody:Donkeyanti-mouse800(LiCOR)at1:25000for1houratRT.ColorDevelopment:OdysseyCLxWestern Blotimaging.Predicted/ObservedSize:~55.OtherBand(s):~30,~100.Courtesyof:DarioAlessiLab,UniversityofDundee.

ICC (Immunocytochemistry)
Immunocytochemistry/ImmunofluorescenceanalysisusingMouseAn
.Tissue:AlveolarBasalEpithelialcells(A549).Species:Hu,Ms,Rt.Prima
at1:1000for1houratRT.SecondaryAntibody:AlexaFluor594Donkeya
stainedwithDAPIusingProLongGoldantifadereagentwithDAPI(Invitro

ADDITIONAL INFORMATION

Related Product Information for anti-PPM1H antibody	PPM1H is an independent prognostic biomarker of non-small cell lung cancer (1). PPM1H acts as a key modulator of LRRK2 signaling by controlling dephosphorylation of Rab proteins (2). PPM1H is also suggested to be a gatekeeper to prevent excessive bone morphogenetic protein (BMP) signalling through dephosphorylation (3).
Product Categories/Family for anti-PPM1H antibody	Antibodies
References	1. Zhang W.Q., et al. (2021) Neoplasma. 68(5): 917-923. 2. Berndsen K., et al. (2019) 8:e50416. 3.Shen T., et al. (2014) Cell Res. 24(6): 727-741.

NCBI AND UNIPROT INFORMATION

NCBI GI #	149944715
NCBI GeneID	57460
NCBI Accession #	NP_065751.1
NCBI GenBank Nucleotide #	NM_020700.1
UniProt Accession #	Q9ULR3; Q6PI86; B1Q2A9; B2RXG4
Molecular Weight	56,448 Da
NCBI Official Full Name	protein phosphatase 1H
NCBI Official Synonym Full Names	protein phosphatase, Mg2+/Mn2+ dependent, 1H
NCBI Official Symbol	PPM1H
NCBI Official Synonym Symbols	URCC2; ARHCL1; NERPP-2C
NCBI Protein Information	protein phosphatase 1H; ras homolog gene family, member C like 1; protein phosphatase 1H (PP2C domain containing); neurite extension-related protein phosphatase related to PP2C
UniProt Protein Name	Protein phosphatase 1H
UniProt Gene Name	**PPM1H**
UniProt Synonym Gene Names	ARHCL1; KIAA1157; URCC2
UniProt Entry Name	PPM1H_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/monoclonal/ppm1h-igg1-antibody-clone-10d2-immunofluorescence-immunocytochemistry-western-blot-elisa/254072