

Mouse anti-Human, Mouse PPA1 Monoclonal Antibody | anti-PPA1 antibody

Mouse anti-Homo sapiens (Human) PPA1 Monoclonal antibody

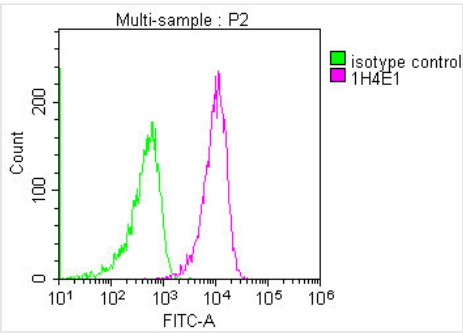
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279009	Mouse	Human, Mouse	Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot, ELISA

PRODUCT SYNONYMS

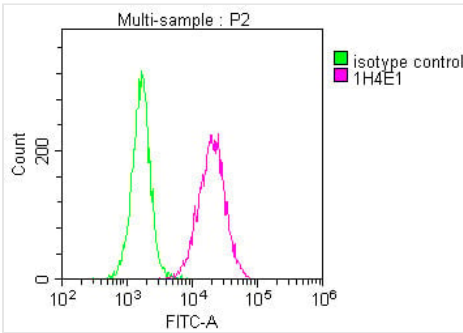
PPA1; Monoclonal Antibody; Mouse anti-Homo sapiens (Human) PPA1 Monoclonal antibody; PPA1 Monoclonal Antibody; cytosolic inorganic pyrophosphatase; diphosphate phosphohydrolase; inorganic diphosphatase; inorganic pyrophosphatase 1; Inorganic pyrophosphatase; IOPPP; IPYR_HUMAN; PP; PP1; PPase; Pyp; pyrophosphatase; inorganic; 1; Pyrophosphate phospho hydrolase; Pyrophosphate phospho-hydrolase; SID6-8061; anti-PPA1 antibody

PRODUCT SPECIFICATIONS

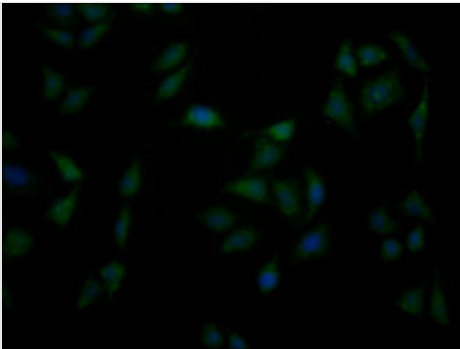
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1H4E1
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid; 0.03% Proclin 300, 50% glycerol, 0.01M PBS, pH 7.4.
Applicable Applications for anti-PPA1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	Recombinant Human Inorganic pyrophosphatase protein (1-289AA)
Conjugation	Non-conjugated
Research Area	Signal Transduction
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



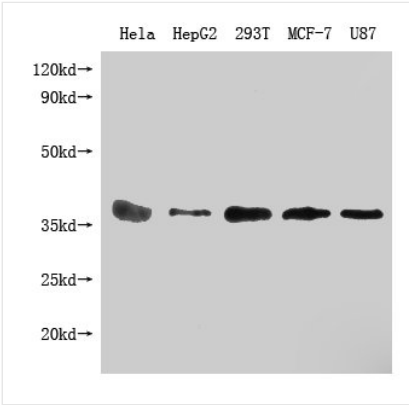
FCM/FACS (Flow Cytometry)
Overlay Peak curve showing 293T cells stained with AAA279009 (red line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*106cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1ug/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



FCM/FACS (Flow Cytometry)
Overlay Peak curve showing HepG2 cells stained with AAA279009 (red line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*106cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1ug/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



IF (Immunofluorescence)
Immunofluorescence staining of HeLa cells with AAA279009 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



WB (Western Blot)
Western BlotPositive WB detected in: PPA1 antibody at 1:1000Lane 1: HeLa whole cell lysateLane 2: HepG2 whole cell lysateLane 3: 293T whole cell lysateLane 4: MCF-7 whole cell lysateLane 5: U87 whole cell lysateSecondaryGoat polyclonal to Mouse IgG at 1/20000 dilutionPredicted band size: 33KDaObserved band size: 33 KDaExposure time: 5min

NCBI AND UNIPROT INFORMATION

NCBI GI #	8247940
NCBI GeneID	5464
UniProt Accession #	Q15181; Q2M348; Q5SQT7; Q6P7P4; Q9UQJ5; Q9Y5B1
Molecular Weight	289
NCBI Official Full Name	Inorganic pyrophosphatase
NCBI Official Synonym Full Names	pyrophosphatase (inorganic) 1
NCBI Official Symbol	PPA1
NCBI Official Synonym Symbols	PP; PP1; IOPPP; HEL-S-66p; SID6-8061
NCBI Protein Information	inorganic pyrophosphatase; PPase; pyrophosphatase 1; inorganic diphosphatase; inorganic pyrophosphatase 1; diphosphate phosphohydrolase; pyrophosphate phospho-hydrolase; cytosolic inorganic pyrophosphatase; epididymis secretory sperm binding protein Li 66
UniProt Protein Name	Inorganic pyrophosphatase
UniProt Gene Name	PPA1

UniProt Synonym Gene Names	IOPPP; PP; PPase
UniProt Entry Name	IPYR_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/ppa1-antibody-clone-1h4e1-flow-cytometry-immunofluorescence-western-blot-elisa/279009>