

Mouse anti-Human IPYR2/PPA2 Monoclonal Antibody | anti-IPYR2/PPA2 antibody

IPYR2/PPA2 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62360	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

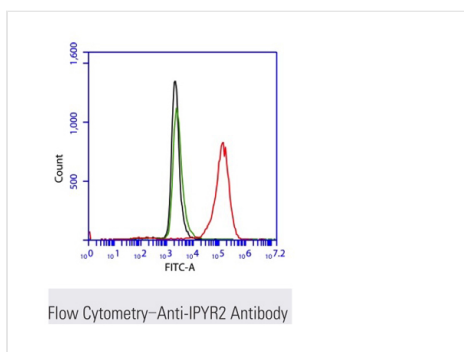
PRODUCT SYNONYMS

IPYR2/PPA2; Monoclonal Antibody; IPYR2/PPA2 Mouse mAb; IPYR2 Mouse mAb; Inorganic pyrophosphatase 2; mitochondrial; PPase 2; Pyrophosphatase SID6-306; Pyrophosphate phospho-hydrolase 2; anti-IPYR2/PPA2 antibody

PRODUCT SPECIFICATIONS

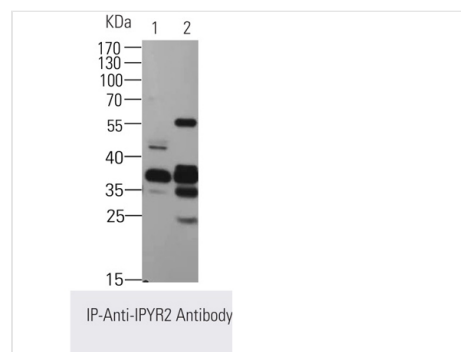
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Applicable Applications for anti-IPYR2/PPA2 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human IPYR2.
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



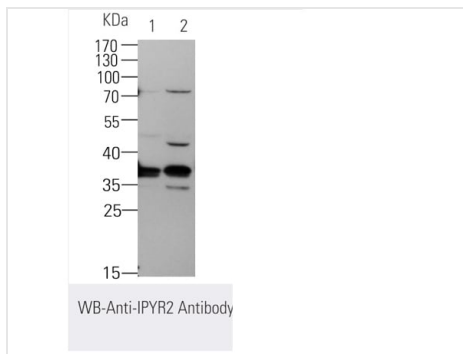
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed THP1 (Human acute monocytic leukemia cell line) cells labeling IPYR2 with M25206 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP (Immunoprecipitation)

IPYR2 was immunoprecipitated from 1mg of THP1 cells membrane fraction, blotted with M25206 of 10 ug. Western blot was performed from the immunoprecipitate using M25206 at 1/1000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: THP1 cells membrane fraction. Lane2: IP product of THP1 cells membrane fraction.Blocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

All lanes : IPYR2 Mouse mAb at 1/2000 dilution Lane 1 : THP1 cells membrane fraction Lane 2 : Jurkat cells membrane fraction Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Mouse IgG-HRP, 5% milk conjugated at 1/10000 dilution Predicted band size : 38 KDa
Observed band size : 38 KDa Blocking/Dilution buffer : 1x TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-IPYR2/PPA2 antibody	The protein encoded by this gene is localized to the mitochondrion, is highly similar to members of the inorganic pyrophosphatase (PPase) family, and contains the signature sequence essential for the catalytic activity of PPase. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Product Categories/Family for anti-IPYR2/PPA2 antibody	Cell Marker ; Subcellular Marker ; Membrane

NCBI AND UNIPROT INFORMATION

Molecular Weight	Predicted MW: 38kDa
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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/ipyr2-ppa2-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62360>