

Mouse anti-Human IARS2/SYIM Monoclonal Antibody | anti-IARS2/SYIM antibody

IARS2/SYIM (272) Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62349	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

IARS2/SYIM; Monoclonal Antibody; IARS2/SYIM (272) Mouse mAb; IARS2/SYIM(272) Mouse mAb; EC 6.1.1.5; IARS2; IleRS; isoleucine tRNA ligase 2; mitochondrial; Isoleucine--tRNA ligase; isoleucine-tRNA synthetase 2; Isoleucyl-tRNA synthetase; isoleucyl-tRNA synthetase; mitochondrial [Precursor]; mitochondrial isoleucine tRNA synthetase; anti-IARS2/SYIM antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Applicable Applications for anti-IARS2/SYIM 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 SYIM.
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



IP (Immunoprecipitation)

SYIM was immunoprecipitated from 1mg of THP1 cells membrane fraction, blotted with M25221 of 10 ug. Western blot was performed from the immunoprecipitate using M25221 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)

Flow cytometric analysis of 2% paraformaldehyde-fixed THP1 (Human acute monocytic leukemia cell line) cells labeling SYIM with M25221 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.

ADDITIONAL INFORMATION

Related Product Information for anti-IARS2/SYIM antibody	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Two forms of isoleucine-tRNA synthetase exist, a cytoplasmic form and a mitochondrial form. This gene encodes the mitochondrial isoleucine-tRNA synthetase which belongs to the class-I aminoacyl-tRNA synthetase family.
Product Categories/Family for anti-IARS2/SYIM antibody	Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

Molecular Weight	Predicted MW: 113kDa
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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/iars2-syim-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62349>