Mouse anti-Human ADP/ATP translocase 2 Monoclonal Antibody | anti-SLC25A5 antibody

ADP/ATP translocase 2 (458) Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62363	**Mouse**	**Human**	**Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot**

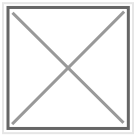
PRODUCT SYNONYMS

ADP/ATP translocase 2; Monoclonal Antibody; ADP/ATP translocase 2 (458) Mouse mAb; Adenine nucleotide translocator 2; adenine nucleotide translocator 2 (fibroblast); ADP; ATP carrier protein 2; ATP carrier protein; fibroblast isoform; ANT 2; ANT2; DP/ATP translocase 2; N-terminally processed; solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator); member 5; Solute carrier family 25 member 5; 2F1; T2; T3; anti-SLC25A5 antibody

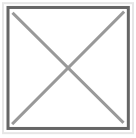
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	298
Applicable Applications for anti-SLC25A5 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a polypeptide corresponding to ADT2 protein.
Preparation and Storage	Store at -20°C. Stable for one year from the date of receipt.

IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of 2% paraformaldehyde-fixed THP1 (Human acute monocytic leukemia cell line) cells labeling ADT2 with M25202 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)
ADT2 was immunoprecipitated from 1mg of THP1 cells membrane fraction, blotted with AAA62363 of 10 ug. Western blot was performed from the immunoprecipitate using AAA62363 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 : ADT2 Mouse mAb at 1/2000 dilutionLane 1 : THP1 cells membrane fractionLane 2 : Jurkat cells membrane fraction Lysates/proteins at 20 ug per lane.Secondary Goat Anti-Mouse IgG-HRP, 5% milk conjugated at 1/10000 dilutionPredicted band size : 33 KDaObserved band size : 33 KDa Blocking/Dilution buffer : 1x TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC25A5 antibody	This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene functions as a gated pore that translocates ADP from the cytoplasm into the mitochondrial matrix and ATP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Suppressed expression of this gene has been shown to induce apoptosis and inhibit tumor growth. The human genome contains several non-transcribed pseudogenes of this gene.
Product Categories/Family for anti-SLC25A5 antibody	Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	156071459
NCBI GeneID	292
NCBI Accession #	NP_001143.2
NCBI GenBank Nucleotide #	NM_001152.4
UniProt Accession #	P05141; O43350; B2RCV1
Molecular Weight	Predicted MW: 33kDa
NCBI Official Full Name	ADP/ATP translocase 2
NCBI Official Synonym Full Names	solute carrier family 25 member 5
NCBI Official Symbol	SLC25A5
NCBI Official Synonym Symbols	T2; T3; 2F1; AAC2; ANT2
NCBI Protein Information	ADP/ATP translocase 2
UniProt Protein Name	ADP/ATP translocase 2
UniProt Gene Name	**SLC25A5**
UniProt Synonym Gene Names	ANT2; ANT 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/monoclonal/adp-atp-translocase-2-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62363