

Mouse anti-Human COX5A Monoclonal Antibody | anti-COX5A antibody

COX5A antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48179	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

COX5A; Monoclonal Antibody; COX5A antibody; cytochrome c oxidase subunit Va; COX; COX-VA; VA; anti-COX5A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT7A6
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	338
Applicable Applications for anti-COX5A antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human COX5A (42-150aa) purified from E. coli
Clone Note	Anti-human COX5A mAb, clone AT7A6, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human COX5A protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of COX5A in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human COX5A antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human COX5A antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : A431 cell lysate Lane 2. : HeLa cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-COX5A antibody	COX5A, also known as COX, COX-VA and VA, belongs to the cytochrome c oxidase subunit 5A family. Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may function in the regulation and assembly of the complex. COX5A is the heme A-containing chain of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
Product Categories/Family for anti-COX5A antibody	Metabolism
References	Lenka N., et al. (1998) Prog Nucleic Acid Res Mol Biol. 61: 309-344. ; Schmidt TR., et al. (2002) Gene. 286: 13-19.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912280
NCBI GeneID	10598
NCBI Accession #	NP_036243
NCBI GenBank Nucleotide #	NM_012111.2
UniProt Accession #	O95433; Q96IL6; Q9P060; B2R9L2; B4DUR9
Molecular Weight	32,340 Da
NCBI Official Full Name	activator of 90 kDa heat shock protein ATPase homolog 1 isoform 1
NCBI Official Synonym Full Names	activator of HSP90 ATPase activity 1
NCBI Official Symbol	AHSA1
NCBI Official Synonym Symbols	p38; AHA1; hAha1; C14orf3
NCBI Protein Information	activator of 90 kDa heat shock protein ATPase homolog 1
UniProt Protein Name	Activator of 90 kDa heat shock protein ATPase homolog 1
UniProt Gene Name	AHSA1
UniProt Synonym Gene Names	C14orf3; AHA1

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/cox5a-antibody-clone-at7a6-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48179>