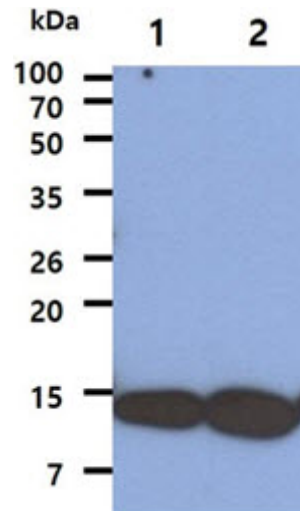


**AM50642PU-N****Monoclonal Antibody to AHA1 / AHSA1 - Purified**

<b>Alternate names:</b>	Activator of 90 kDa heat shock protein ATPase homolog 1, C14orf3, HSPC322
<b>Quantity:</b>	0.1 ml
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">O95433</a>
<b>NCBI:</b>	<a href="#">NP_036243</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	AT7A6
<b>Immunogen:</b>	Recombinant human COX5A (42-150aa) purified from E. coli.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Protein-A affinity chromatography <b>Buffer System:</b> Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.
<b>Applications:</b>	The antibody has been tested by ELISA, Western blot analysis, ICC/IF and Flow cytometry to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	<b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Lenka N., et al. (1998) Prog Nucleic Acid Res Mol Biol. 61: 309-344. Schmidt TR., et al. (2002) Gene. 286: 13-19.

**Pictures:**

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



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).

