

Rabbit COX5A Polyclonal Antibody | anti-COX5A antibody

COX5A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324248	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

COX5A; Polyclonal Antibody; COX5A Antibody; COX; COX VA; COX5A_HUMAN; Cytochrome c oxidase polypeptide Va; Cytochrome c oxidase polypeptide; mitochondrial; Cytochrome c oxidase subunit 5A; Cytochrome c oxidase subunit Va; Mitochondrial cytochrome c oxidase subunit Va; VA; anti-COX5A antibody

PRODUCT SPECIFICATIONS

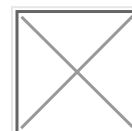
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	COX5A antibody detects endogenous levels of total COX5A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	150
Applicable Applications for anti-COX5A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Inner Membrane.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken
Similarity	Pig (91%), Bovine (91%), Horse (91%), Sheep (91%), Dog (89%), Chicken (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA324248 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from HepG2, using COX5A Antibody. Lane 1 was treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324248 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from A549 cells, using COX5A antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-COX5A antibody

Function: This is the heme A-containing chain of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
Subunit Structure: Interacts with AFG1L (PubMed:26759378).
Similarity: Belongs to the cytochrome c oxidase subunit 5A family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	190885499
NCBI GeneID	9377
NCBI Accession #	NP_004246.2
NCBI GenBank Nucleotide #	NM_004255.3
UniProt Accession #	P20674; P30045; Q8TB65
Molecular Weight	Observed: 17 kD Predicted: 17 kDa
NCBI Official Full Name	cytochrome c oxidase subunit 5A, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit 5A
NCBI Official Symbol	COX5A
NCBI Official Synonym Symbols	VA; COX; COX-VA
NCBI Protein Information	cytochrome c oxidase subunit 5A, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 5A, mitochondrial
UniProt Gene Name	COX5A

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/polyclonal/cox5a-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324248>