

Rabbit anti-Human Cytochrome c oxidase subunit 5A, mitochondrial Polyclonal Antibody | anti-COX5A antibody

Rabbit anti-human Cytochrome c oxidase subunit 5A, mitochondrial polyclonal Antibody

CATALOG # AAA230391	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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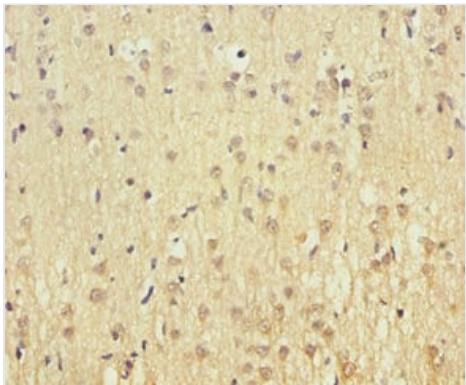
PRODUCT SYNONYMS

Cytochrome c oxidase subunit 5A; mitochondrial; Polyclonal Antibody; Rabbit anti-human Cytochrome c oxidase subunit 5A; mitochondrial polyclonal Antibody; COX5A; Cytochrome c oxidase polypeptide Va; anti-COX5A antibody

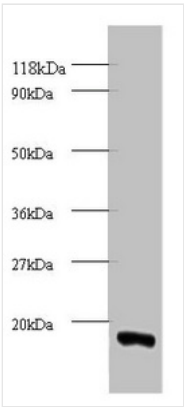
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	150
Applicable Applications for anti-COX5A antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Cytochrome c oxidase subunit 5A, mitochondrial protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-55708
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human brain using AAA230391 at dilution 1:100



WB (Western Blot)
All lanes: Cytochrome c oxidase subunit 5A, mitochondrial antibody at 2ug/ml+293T whole cell lysate
Secondary Goat polyclonal to Rabbit IgG at 1/15000 dilution
Predicted band size: 16.5 kDa
Observed band size: 16.5kDa

ADDITIONAL INFORMATION

Related Product Information for anti-COX5A antibody	This is the heme A-containing chain of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer of proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Va of the human mitochondrial respiratory chain enzyme. A pseudogene COX5AP1 has been found in chromosome 14q22.
Product Categories/Family for anti-COX5A antibody	Metabolism

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	16,762 Da
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
UniProt Entry Name	COX5A_HUMAN

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/cytochrome-c-oxidase-subunit-5a-mitochondrial-antibody-immunohistochemistry-western-blot-elisa/230391>