

Rabbit anti-Human, Mouse COX5A Polyclonal Antibody | anti-COX5A antibody

Rabbit anti-COX5A Antibody, Affinity Purified

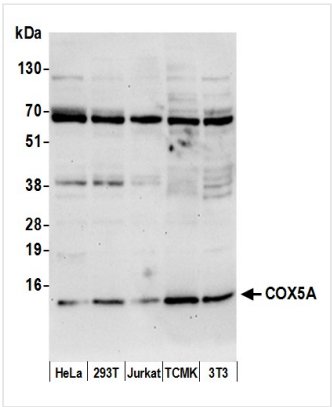
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213333	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

COX5A; Polyclonal Antibody; Rabbit anti-COX5A Antibody; Affinity Purified; COX; COX-VA; 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; Cytochrome c oxidase subunit 5A; anti-COX5A antibody

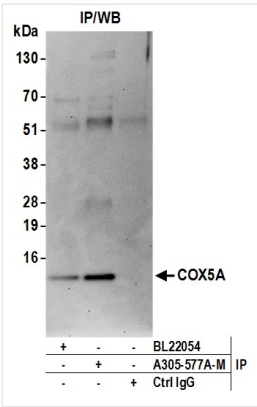
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-COX5A antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, Bovine, Monkey, Gorilla, Chimpanzee
Immunogen	Between 100 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)

Detection of human and mouse COX5A by western blot. Samples: Whole cell lysate (15 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-COX5A antibody (AAA213333 lot 1) used for WB at 0.1 mg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human COX5A by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-COX5A antibody (AAA213333 lot 1) used for IP at 2 ug per reaction. COX5A was also immunoprecipitated by rabbit anti-COX5A antibody BL22054. For blotting immunoprecipitated COX5A, AAA213333 was used at 0.1 mg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-COX5A antibody	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. COX5A is the nuclear-encoded subunit Va of the human mitochondrial respiratory chain enzyme [taken from NCBI Entrez Gene (Gene ID: 9377)].
Product Categories/Family for anti-COX5A antibody	Primary Antibodies

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 Va
NCBI Official Symbol	COX5A
NCBI Official Synonym Symbols	VA; COX; COX-VA
NCBI Protein Information	cytochrome c oxidase subunit 5A, mitochondrial; cytochrome c oxidase polypeptide Va; mitochondrial cytochrome c oxidase subunit Va; cytochrome c oxidase polypeptide, 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-immunoprecipitation-western-blot-elisa/213333>