

Rabbit anti-Human COX5B Polyclonal Antibody | anti-COX5B antibody

Anti-COX5B Antibody, Rabbit Polyclonal

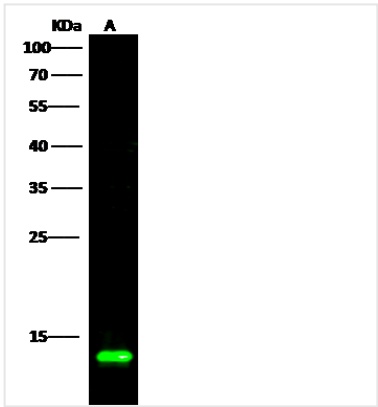
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255833	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

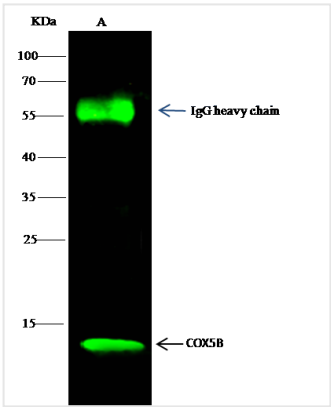
COX5B; Polyclonal Antibody; Anti-COX5B Antibody; Rabbit Polyclonal; COX5B Antibody; Rabbit PAb; Antigen Affinity Purified; cytochrome c oxidase subunit Vb; Anti-COXVB Antibody; anti-COX5B antibody

PRODUCT SPECIFICATIONS

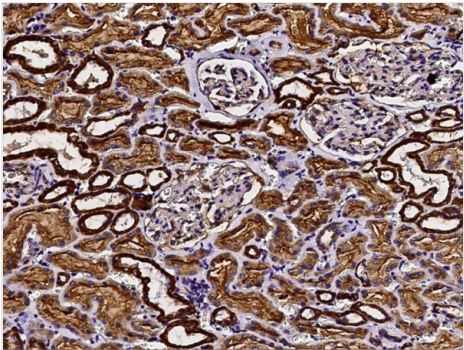
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human COX5B
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-COX5B antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human COX5B protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human COX5B (rh COX5B). COX5B specific IgG was purified by Human COX5B affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



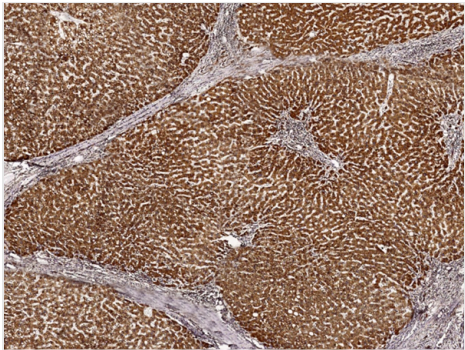
WB (Western Blot)
Anti-COX5B rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 14 kDa Observed band size: 13 kDa



IP (Immunoprecipitation)
COX5B was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 2 uL anti-COX5B rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-COX5B rabbit polyclonal antibody, at 1:200 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 14 kDa Observed band size: 14 kDa



IHC (Immunohistochemistry)
Immunochemical staining of human COX5B in human kidney with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of human COX5B in human liver with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-COX5B 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 and 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 Vb of the human mitochondrial respiratory chain enzyme.
References	Romero N. et al., 1990, Histochemistry. 94 (2): 211-5. Lomax MI. et al., 1991, Genomics. 10 (1): 1-9. Beauchemin A M. et al., 2001, Brain Res Bull. 56 (3-4): 285-97.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20141332
NCBI GeneID	1329
UniProt Accession #	P10606; Q53YB7; Q96J18; Q99610
Molecular Weight	129
NCBI Official Full Name	Cytochrome c oxidase subunit 5B, mitochondrial

NCBI Official Synonym Full Names	cytochrome c oxidase subunit Vb
NCBI Official Symbol	COX5B
NCBI Official Synonym Symbols	COXVB
NCBI Protein Information	cytochrome c oxidase subunit 5B, mitochondrial; cytochrome c oxidase polypeptide VB, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 5B, mitochondrial
UniProt Gene Name	COX5B
UniProt Entry Name	COX5B_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cox5b-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/255833>