

Product datasheet for **TA308206**

COX5B Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Mouse, Dog, Pig, Rat, Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 129 of COX5B (Uniprot ID#P10606)
Formulation:	1XPBS, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Affinity purified by Protein A.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	14 kDa
Gene Name:	cytochrome c oxidase subunit 5B
Database Link:	NP_001853 Entrez Gene 12859 MouseEntrez Gene 94194 RatEntrez Gene 474567 DogEntrez Gene 1329 Human P10606



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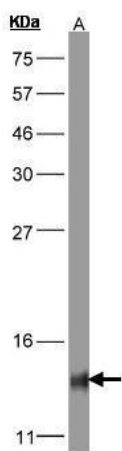
Background: Cytochrome C oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. 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. [provided by RefSeq]

Synonyms: COXVB

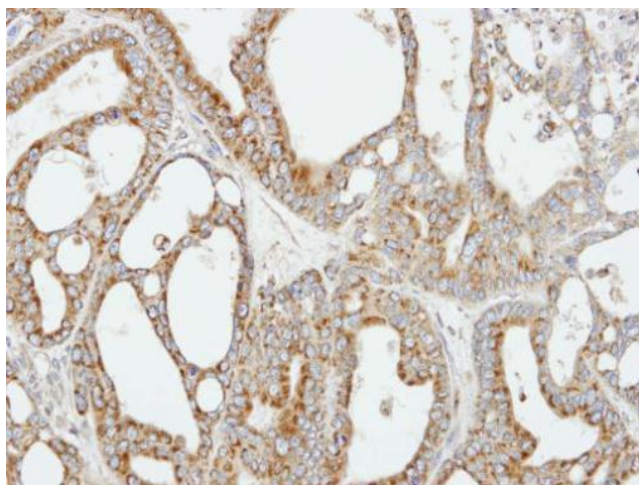
Note: Seq homology of immunogen across species: Mouse (85%), Dog (83%), Pig (83%), Rat (82%), Bovine (84%)

Protein Pathways: Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

Product images:



Sample (30 ug of whole cell lysate). A:Hep G2.
15% SDS PAGE. TA308206 diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded H441 xenograft, using COX5B (TA308206) antibody at 1:100 dilution.