

Product datasheet for **TA322050**

COX6B2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:1000-5000, WB: 1:500-2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 1-89 amino acids of human cytochrome c oxidase subunit VIb polypeptide 2 (testis)
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	11 kDa
Gene Name:	cytochrome c oxidase subunit 6B2
Database Link:	NP_653214 Entrez Gene 333182 MouseEntrez Gene 654441 RatEntrez Gene 125965 Human Q6YFQ2



[View online »](#)

Background:

Cytochrome c oxidase is the terminal enzyme of the electron transfer chain in aerobic bacteria as well as in the mitochondria of plants and animals. Bacterial cytochrome c oxidases are composed of three different subunits and include two hemes a and two copper atoms as prosthetic groups. The enzyme from eukaryotes is more complex and includes three subunits encoded on mitochondrial DNA; which are the homologues of the subunits of the bacterial enzyme; and in addition contains a number of subunits encoded in the nucleus. It is generally agreed that the mitochondrially coded subunits with their associated prosthetic groups are the functional core of the enzyme. The role of the nuclear coded subunits in cytochrome c oxidase function remains a matter of conjecture. cytochrome c oxidase subunit VIb polypeptide 2 Connects the two COX monomers into the physiological dimeric form.

Synonyms:

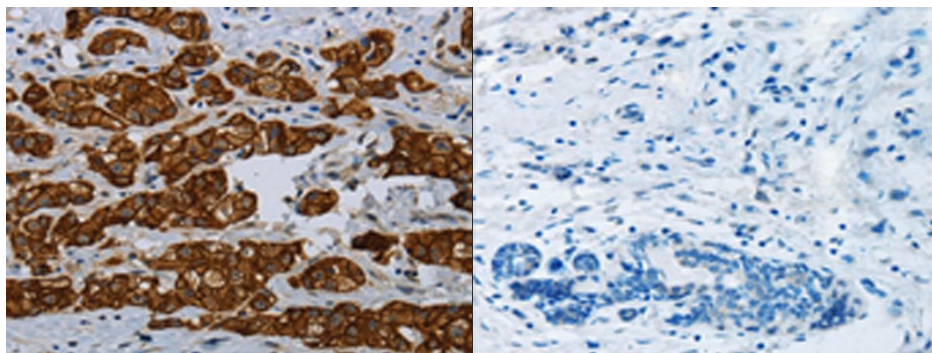
COXVIB2; CT59

Protein Pathways:

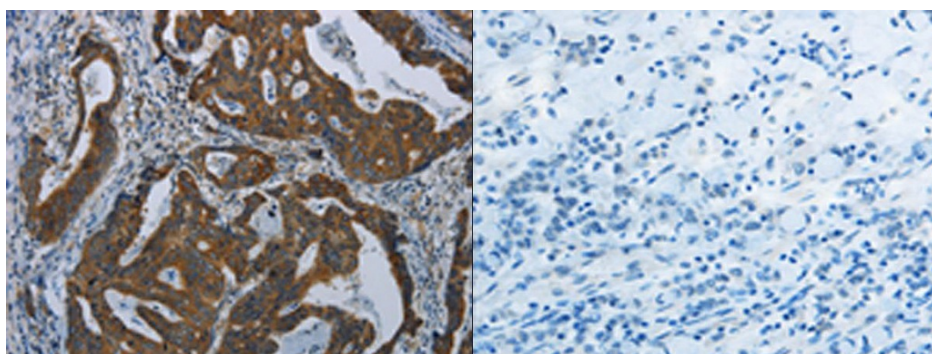
Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

Product images:

Gel: 10%SDS-PAGE, Lysate: 40 ug, Lane: A549 cells, Primary antibody: COX6B2 Antibody at dilution 1/400, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 5 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using COX6B2 Antibody at dilution 1/35, on the right is treated with fusion protein. (Original magnification: $\times 200$)



The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using COX6B2 Antibody at dilution 1/35, on the right is treated with fusion protein. (Original magnification: $\times 200$)