

## Product datasheet for **TA323103**

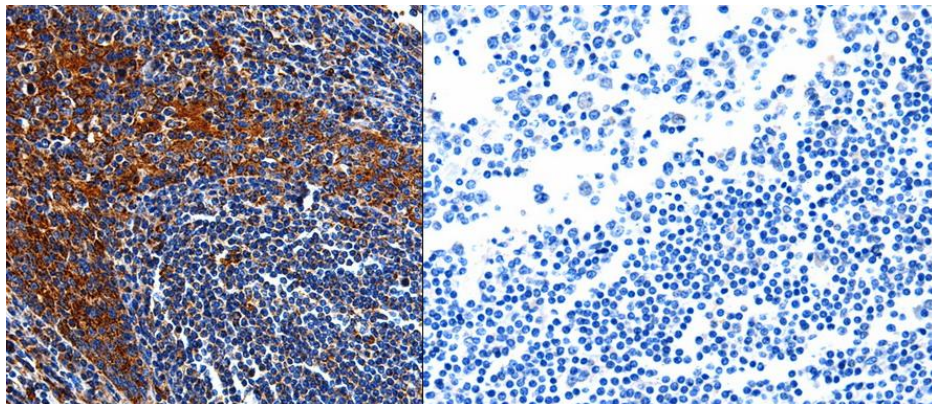
### Cytochrome C Oxidase subunit VIb (COX6B1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	ELISA: 1:500-5000, IHC: 1:50-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	cytochrome c oxidase subunit 6B1
Database Link:	<a href="#">NP_001854 Entrez Gene 110323 Mouse</a> <a href="#">Entrez Gene 688869 Rat</a> <a href="#">Entrez Gene 502592 Rat</a> <a href="#">Entrez Gene 1340 Human</a>
Background:	Cytochrome c oxidase (COX); the terminal enzyme of the mitochondrial respiratory chain; catalyzes the electron transfer from reduced cytochrome c to oxygen. It is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer; and the nuclear-encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes subunit VIb. Mutations in this gene are associated with severe infantile encephalomyopathy. Three pseudogenes COX6BP-1; COX6BP-2 and COX6BP-3 have been found on chromosomes 7; 17 and 22q13.1-13.2; respectively.
Synonyms:	COX6B; COXG; COXVIb1
Protein Pathways:	Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease



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**Product images:**

Predicted cell location: Cytoplasm, Cell membrane. Positive control: Human tonsil tissue. Recommended dilution: 1/50-200 The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using COX6B1 antibody at dilution 1/50, on the right is treated with the fusion protein. (Original magnification: x200)