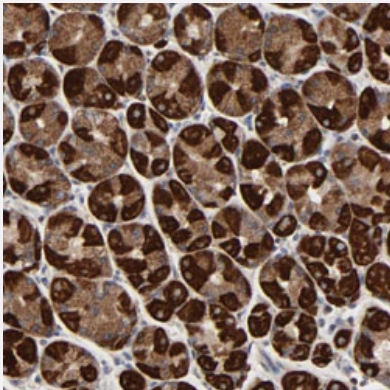


COX6B1 polyclonal antibody

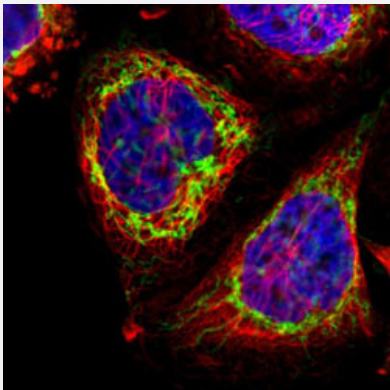
Catalog # PAB30684 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach with COX6B1 polyclonal antibody (Cat # PAB30684) shows strong cytoplasmic positivity in glandular cells.



Immunofluorescence

Immunofluorescent staining of A-431 cells with COX6B1 polyclonal antibody (Cat # PAB30684) (Green) shows positivity in mitochondria.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human COX6B1.
Immunogen	Recombinant protein corresponding to human COX6B1.
Sequence	EDMETKIKNYKTAPFDSRFPNQNRNCWQNYLDFHRCQKAMTAKGGDISVCEWYQRVYQSLC PTSWVTDWDEQRAEGTFP
Host	Rabbit
Reactivity	Human, Mouse, Rat

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — COX6B1

Entrez GeneID	1340
Protein Accession#	P14854
Gene Name	COX6B1
Gene Alias	COX6B, COXG
Gene Description	cytochrome c oxidase subunit Vlb polypeptide 1 (ubiquitous)
Omim ID	124089
Gene Ontology	Hyperlink

Gene Summary

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. Three pseudogenes COX6BP-1, COX6BP-2 and COX6BP-3 have been found on chromosomes 7, 17 and 22q13.1-13.2, respectively. [provided by RefSeq]

Other Designations

cytochrome c oxidase subunit VIb|human cytochrome oxidase subunit VIb

Pathway

- [Cardiac muscle contraction](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)