ARG54965
anti-COX6B1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes COX6B1
Tested Reactivity	Hu
Predict Reactivity	Ms, Mk
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	COX6B1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 8-22 (N-terminus) of Human COX6B1.
Conjugation	Un-conjugated
Alternate Names	COXVIb1; Cytochrome c oxidase subunit 6B1; Cytochrome c oxidase subunit VIb isoform 1; COXG; COX VIb-1; COX6B

Application Instructions

Application table

Application	Dilution
ICC/IF	1:25
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: HeLa

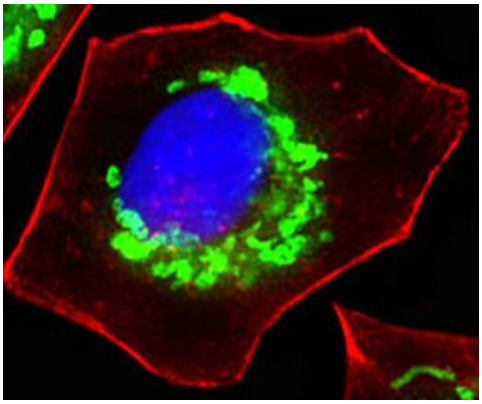
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 1340 Human Swiss-port # P14854 Human
Gene Symbol	COX6B1
Gene Full Name	cytochrome c oxidase subunit VIb polypeptide 1 (ubiquitous)
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. [provided by RefSeq, Jan 2010]
Function	Connects the two COX monomers into the physiological dimeric form. [UniProt]
Research Area	Cancer antibody; Controls and Markers antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	10 kDa
Cellular Localization	Mitochondrion intermembrane space

Images



ARG54965 anti-COX6B1 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG54965 anti-COX6B1 antibody (green) at 1:25 dilution. Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red). DAPI (blue) for nuclear staining.

ARG54965 anti-COX6B1 antibody WB image

Western blot: 35 µg of HeLa cell lysate stained with ARG54965 anti-COX6B1 antibody at 1:1000 dilution.