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[Marker Primary Antibody]

Rabbit Anti-COX6B2/FITC Conjugated antibody

Catalog Number: SL14009R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-COX6B2/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human COX6B2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Cow,Sheep)
Background:	background: The cytochrome c oxidase (COX) family of proteins function as the final electron donor in the respiratory chain to drive a proton gradient across the inner mitochondrial membrane, ultimately resulting in the production of water. The mammalian COX apoenzyme is a dimer, with each monomer consisting of 13 subunits, some of which are mitochondrial and some of which are nuclear. Localized to the intermembrane space, COX6b2 (Cytochrome c oxidase subunit 6B2), also known as Cytochrome c oxidase subunit VIb isoform 2 and Cancer/testis antigen 59, is a 88 amino acid mitochondrial protein that is responsible for joining the two COX monomers to form the COX dimer. COX6b2 is specifically expressed in testis and is found to be upregulated in certain cancer cell lines. **Function:** Connects the two COX monomers into the physiological dimeric form. **Subcellular Location:** Mitochondrion intermembrane space. **Tissue Specificity:** Testis specific. Weak expression in thymus and heart.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

	Expressed in cancer cell lines. **Similarity:** Belongs to the cytochrome c oxidase subunit 6B family. **Database links:** **Entrez Gene:** 125965 Human **Entrez Gene:** 333182 Mouse **Entrez Gene:** 654441 Rat **SwissProt:** Q6YFQ2 Human **SwissProt:** Q80ZN9 Mouse **SwissProt:** Q6YFQ1 Rat **Unigene:** 550544 Human **Unigene:** 29625 Mouse **Unigene:** 97699 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.