

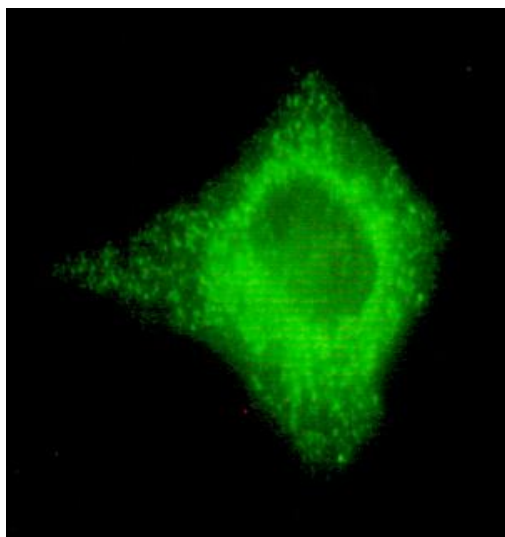


COX4(C-terminus) Antibody

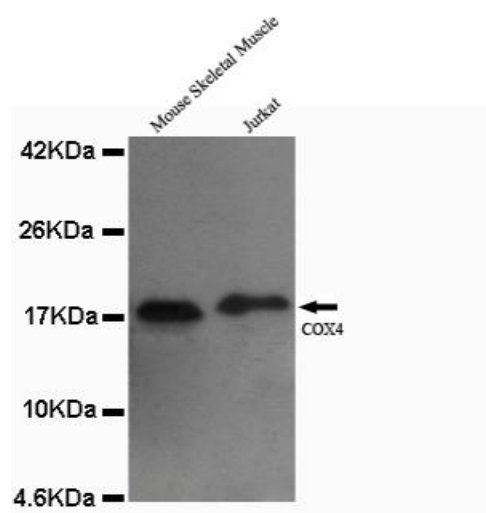
E2200147

Catalog Number:	E2200147
Size:	100ug
Host:	Mouse
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Sensitivity:	This antibody detects endogenous levels of COX4(C-terminus) and does not cross-react with related proteins
Entrez 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 isoform 2 of subunit IV. Isoform 1 of subunit IV is encoded by a different gene, however, the two genes show a similar structural organization. Subunit IV is the largest nuclear encoded subunit which plays a pivotal role in COX regulation.
UniPort summary	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the
Function:	terminal oxidase in mitochondrial electron transport
Immunogen:	Purified synthetic peptide of human COX4(C-terminus) protein expressed in E.coli.
Antibody Type:	Monoclonal antibody
Isotype:	IgG1
Purified method:	Affinity purified
Subcellular location:	Mitochondrion inner membrane
Reactivity:	H,M
Applications:	WB,FC,ICC
Molecular Weight:	20kDa
UniProt number:	P13073
GeneBank ID:	NM_001861
Gene symbol:	COX4I2; COX4B; COX4-2; COX4L2; COXIV-2; dJ857M17.2
Alternate names:	COX4; COX4B; COX4-2; COX4L2; COXIV-2; dJ857M17.2

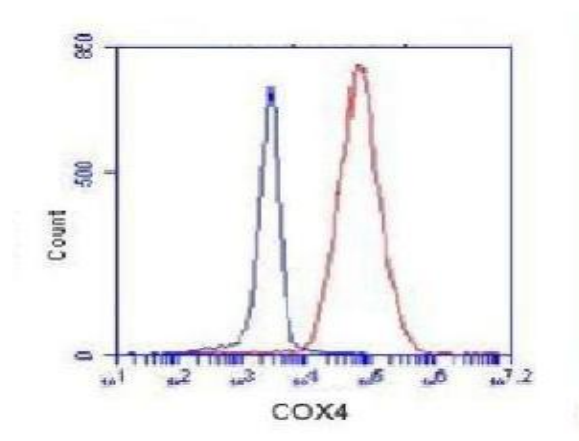
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Immunocytochemistry of HeLa cells using anti- COX4(C-terminus) antibody diluted 1:150.



Western blot detection of COX4(C-terminus) antibody in Mouse skeletal muscle & Jurkat lysates using COX4(C-terminus) antibody (1:1000 diluted). Predicted band size: 20KDa Observed band size: 20KDa.



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Flow Cytometry analysis of K562 cells stained with COX4 (red, 1/100 dilution), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.