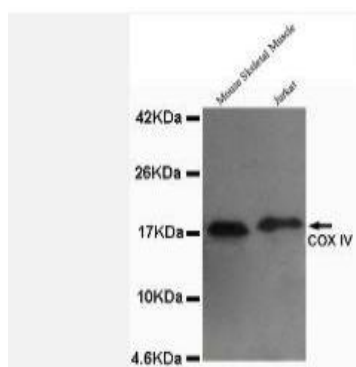


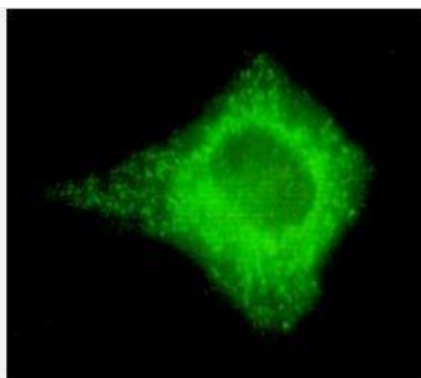
COX IV mouse mAb

Catalog No.	IMB0093
Reactivity	Human;Mouse;Rat;Hamster;Goat;Monkey
Applications	WB; FC; ICC; IP; IHC
Gene Name	cox iv
Protein Name	-
Human Gene Id	1327
Swiss-Prot	P13073
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Dilution	WB: 1:1000 ICC: 1:150 FCM: 1:100
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Background	Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit IV isoform 1 of the human mitochondrial respiratory chain enzyme. It is located at the 3' of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it. Pseudogenes related to this gene are located on chromosomes
Subcellular Location.	Mitochondrion inner membrane; Single-pass membrane protein.
BiowMW	-

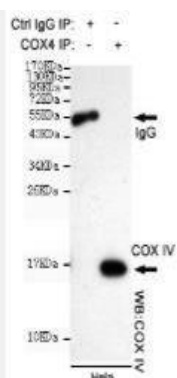
Products Images:



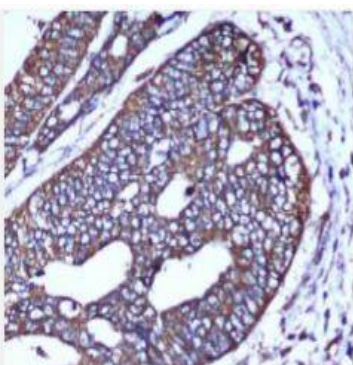
Western blot detection of COX IV in Mouse skeletal muscle and Jurkat lysates using COX IV mouse mAb (1:1000 diluted). Predicted band size: 17KDa. Observed band size: 17KDa.



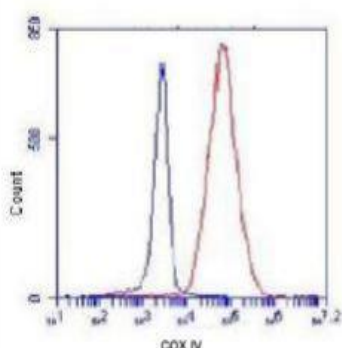
Immunocytochemistry of HeLa cells using anti-COX IV mouse mAb diluted 1:150.



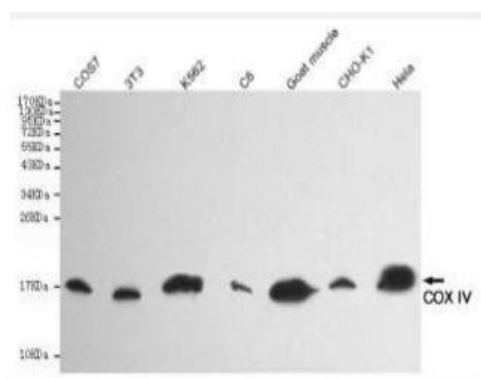
Immunoprecipitation analysis of HeLa cell lysates using COX IV mouse mAb.



Immunohistochemical analysis of paraffin-embedded human colorectal carcinoma with COX IV Mouse mAb (4D11-B3-E8, 1:50 diluted), showing cytoplasm localization. A high pressure mediated antigen retrieval step was performed in citrate buffer (pH 6.0).



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.



Western blot detection of COX IV in Goat muscle,CHO-k1,COS7,3T3,HeLa,C6 and K562 cell lysates using COX IV mouse mAb (1:5000 diluted).Predicted band size:17KDa.Observed band size:17KDa.