



COXIV

Mouse monoclonal Antibody

#53173

Catalog Number: 53173

Amount: 100µg/100µl

Swiss-Prot No. : P13073

Gene name:cox iv

Gene id:1327

Clone Number: 4D11-B3-E8

Form of Antibody:Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol

Storage/Stability: Store at -20°C/1 year

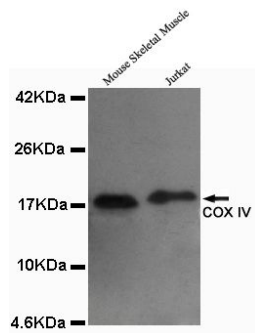
Immunogen: A synthetic peptide corresponding to carboxyl terminal residues of human COX IV

Purification: affinity-chromatography

Specificity/Sensitivity:This antibody detects endogenous levels of COX IV and does not corss-react with related proteins

Reactivity: Human,Mouse,Rat,Hamster,Goat,Monkey

Applications: Predicted MW: 17 kd WB: 1:1000 ICC:1:150



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

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.