

Mouse COX IV Monoclonal Antibody | anti-COXIV antibody

COX IV Monoclonal Antibody (6C8)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30797	Mouse	Human, Rat, Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

COX IV; Monoclonal Antibody; COX IV Monoclonal Antibody (6C8); Cytochrome c oxidase subunit 4 isoform 1; mitochondrial; COX4I1; COX4; Cytochrome c oxidase polypeptide IV; Cytochrome c oxidase subunit IV isoform 1; COX IV-1; anti-COXIV antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Clone Number	6C8
Specificity	The antibody detects endogenous COX IV protein.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Applicable Applications for anti-COXIV antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:1000-3000 IF: 1:200 IHC: 1:50-300
Immunogen	Recombinant Protein of Cytochrome c oxidase subunit 4 isoform 1, mitochondrial
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1.COX IV Monoclonal Antibody(6C8) was diluted at 1:200(4 degree C.overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C.20min). 3.Secondary antibody was diluted at 1:200(room temperature. 30min). Negative control was used by secondary antibody only.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Mouse-colon tissue. 1.COX IV Monoclonal Antibody(6C8) was diluted at 1:200(4 degree C.overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C.20min). 3.Secondary antibody was diluted at 1:200(room temperature. 30min). Negative control was used by secondary antibody only.



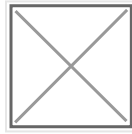
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1.COX IV Monoclonal Antibody(6C8) was diluted at 1:200(4 degree C.overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C.20min). 3.Secondary antibody was diluted at 1:200(room temperature. 30min). Negative control was used by secondary antibody only.



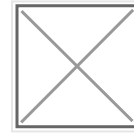
Application Data

Zhang. Yanqiong. et al. "A discovery of clinically approved formula FBRP for repositioning to treat HCC by inhibiting PI3K/AKT/NF-?B activation." Molecular Therapy-Nucleic Acids19 (2020): 890-904.



WB (Western Blot)

Western blot analysis of lysates from 1) COS7.2) 3T3.3) Hela cells. (Green) primary antibody was diluted at 1:1000. 4 degree over night. Dylight 800 secondary antibody(Assay Biotech:SA0438)was diluted at 1:10000. 37 degree 1hour. (Red) Actin ? Polyclonal Antibody (Assay Biotech:C40022) antibody was diluted at 1:5000 as loading control. 4 degree over night.Dylight 680 secondary antibody(Assay Biotech:SA0437)was diluted at 1:10000. 37 degree 1hour.



WB (Western Blot)

Western blot analysis of Hela. diluted at 1) 1:2000 2) 1:5000

ADDITIONAL INFORMATION

Related Product Information for anti-COXIV antibody

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

Product Categories/Family for anti-COXIV antibody

[Primary Antibodies](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502981
NCBI GeneID	1327
NCBI Accession #	NP_001852.1
NCBI GenBank Nucleotide #	NM_001861.3
UniProt Accession #	P13073; Q6P666; B2R4J2; D3DUM7
Molecular Weight	19,577 Da
NCBI Official Full Name	cytochrome c oxidase subunit 4 isoform 1, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit IV isoform 1
NCBI Official Symbol	COX4I1
NCBI Official Synonym Symbols	COX4; COXIV; COX4-1
NCBI Protein Information	cytochrome c oxidase subunit 4 isoform 1, mitochondrial; COX IV-1; cytochrome c oxidase polypeptide IV
UniProt Protein Name	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial
UniProt Gene Name	COX4I1
UniProt Synonym Gene Names	COX4; COX IV-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cox-iv-antibody-clone-6c8-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/30797>