

COX5A antibody

Catalog No: #38915

Package Size: #38915-1 50ul #38915-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

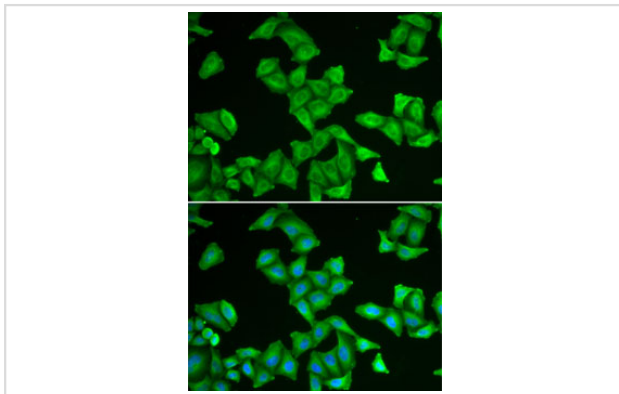
Description

Product Name	COX5A antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total COX5A protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human COX5A.
Target Name	COX5A
Other Names	VA; COX; COX-VA;
Accession No.	Swiss-Prot#: P20674NCBI Gene ID: 9377
Uniprot	P20674
GeneID	9377;
SDS-PAGE MW	16kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

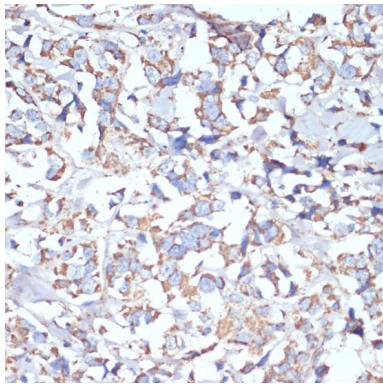
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:100 IF □ 1:10 - 1:100

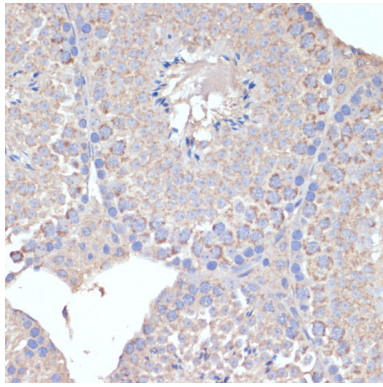
Images



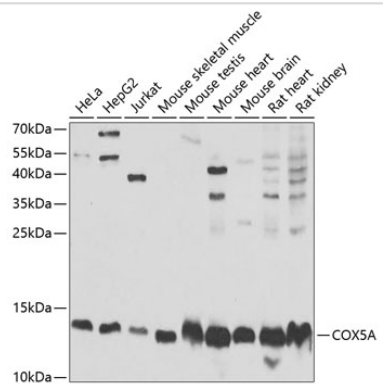
Immunofluorescence analysis of U2OS cells using COX5A .
Blue: DAPI for nuclear staining.



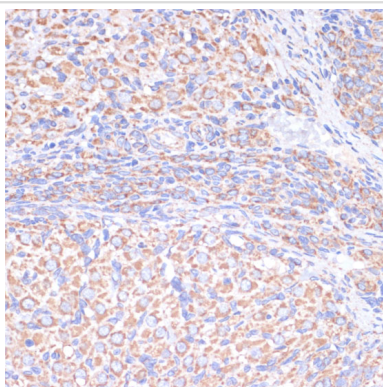
Immunohistochemistry of paraffin-embedded human breast cancer using COX5A at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using COX5A at dilution of 1:100 (40x lens).



Western blot analysis of extracts of various cell lines, using COX5A at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded rat ovary using COX5A at dilution of 1:100 (40x lens).

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 of 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 Va of the human mitochondrial respiratory chain enzyme. A pseudogene COX5AP1 has been found in chromosome 14q22.

Note: This product is for in vitro research use only