COX7A2L Antibody

Catalog No: #46542

Orders: order@signalwayantibody.com
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Description

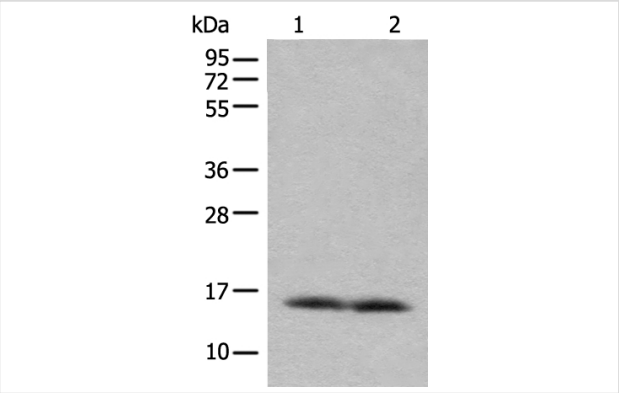
Product Name	COX7A2L Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total COX7A2L protein.
Immunogen Type	peptide
Immunogen Description	Full length fusion protein of human COX7A2L
Target Name	COX7A2L
Other Names	EB1; SIG81; COX7AR; COX7RP
Accession No.	Swiss-Prot:O14548NCBI Gene ID:9167NCBI Protein:BC007095
Uniprot	O14548
GeneID	9167;
Calculated MW	13 kDa
Concentration	3.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

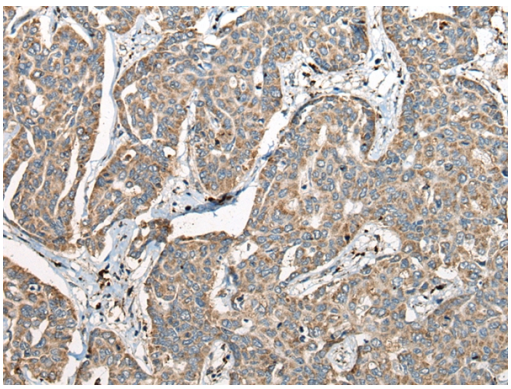
Western blotting: 1:200-1:1000

Immunohistochemistry: 1: 30-150

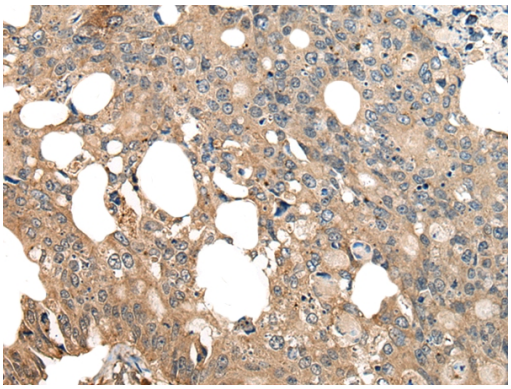
Images



Gel: 12%SDS-PAGE
B£B¬ Lysate: 40 B¦Γ gB£B¬ Lane 1-2:Mouse brain tissue and Mouse adrenal gland tissue lysatesB£B¬
Primary antibody: 46542(COX7A2L Antibody) at dilution 1/500B£B¬
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilutionB£B¬
Exposure time: 40 seconds



The image is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 46542(COX7A2L Antibody) at dilution 1/30. (Original magnification: x200)



The image is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using 46542(COX7A2L Antibody) at dilution 1/30. (Original magnification: x200)

Background

Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component 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 function in the regulation and assembly of the complex. This nuclear gene encodes a protein similar to polypeptides 1 and 2 of subunit VIIa in the C-terminal region, and also highly similar to the mouse Sig81 protein sequence. This gene is expressed in all tissues, and upregulated in a breast cancer cell line after estrogen treatment. It is possible that this gene represents a regulatory subunit of COX and mediates the higher level of energy production in target cells by estrogen. Several transcript variants, some protein-coding and others non-protein coding, have been found for this gene.

Note: This product is for in vitro research use only