

COX7A2L Polyclonal Antibody

Catalog number: 11416-1-AP

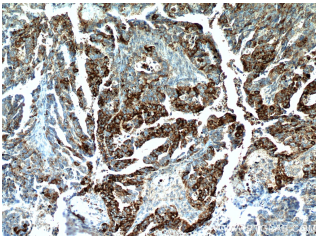
Size: 34 µg/150 µl

Source: Rabbit

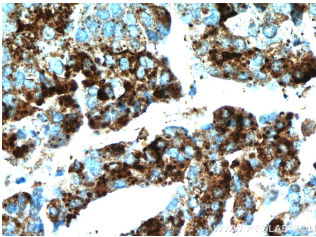
Isotype: IgG

Synonyms:

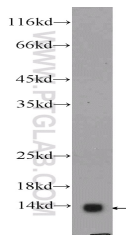
COX7A2L; COX7a related protein, COX7A2L, COX7AR, COX7RP, EB1, SIG81



Immunohistochemical of paraffin-embedded human ovary tumor using 11416-1-AP(COX7A2L antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human ovary tumor using 11416-1-AP(COX7A2L antibody) at dilution of 1:50 (under 40x lens)



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11416-1-AP(COX7A2L Antibody) at dilution of 1:600

Background

Cytochrome c oxidase (COX) is the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. The mitochondrially encoded subunits function in electron transfer, and the nuclear encoded subunits may function in the regulation and assembly of the complex. COX7A2L (cytochrome c oxidase subunit 7A-related protein), also known as COX7AR or COX7RP, is an inner mitochondrial membrane protein. This gene is expressed in all tissues, and upregulated in a breast cancer cell line after estrogen treatment. Recently it was found that DNA mythylation of COX7A2L had a significant association with therapy response in patients with breast cancer. In Alzheimer's disease the expression of COX7A2L was reduced.

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated COX7A2L MW:	114aa, 13 kDa
Observed COX7A2L MW:	14 kDa
Positive WB detected in	Mouse brain tissue, rat brain tissue, rat liver tissue
Positive IHC detected in	Human ovary tumor tissue, human breast cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1980
GenBank accession number:	BC007095
Gene ID (NCBI):	9167
Full name:	Cytochrome c oxidase subunit VIIa polypeptide 2 like

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.