

COX7A1 Polyclonal Antibody

Catalog number: 11413-1-AP

Size: 34 µg/150 µl

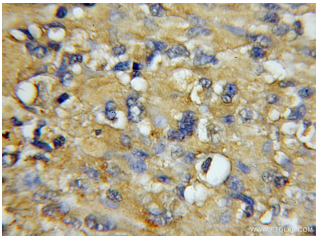
Source: Rabbit

Isotype: IgG

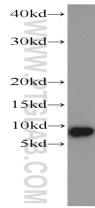
Synonyms:

COX7A1; COX7A, COX7A1,

COX7AH, COX7AM



Immunohistochemical of paraffin-embedded human gliomas using 11413-1-AP(COX7A1 antibody) at dilution of 1:100 (under 10x lens)



mouse heart tissue were subjected to SDS PAGE followed by western blot with 11413-1-AP(COX7A1 antibody) at dilution of 1:1000

Background

Cytochrome c oxidase(COX) catalyzes the transfer of electrons from reduced cytochrome c to molecular oxygen. Subunit VIIa of mammalian COX exists in at least 2 isoforms, liver and muscle. COX7A1(Cytochrome c oxidase subunit 7A1, mitochondrial) is also named as COX7AH, cytochrome c oxidase subunit VIIa-H, cytochrome c oxidase subunit VIIa-M and is the muscle isoform of COX subunit VIIa. Northern-blot analysis of primate tissues demonstrated that COXVIIa-M mRNA is present only in muscle tissues(PMID:1327965).

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human
Calculated COX7A1 MW:	79aa,9kd
Observed COX7A1 MW:	7-9kd
Positive WB detected in	Mouse heart tissue, human brain tissue, human kidney tissue
Positive IHC detected in	Human gliomas tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

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

Immunogen information

Immunogen:	Ag1981
GenBank accession number:	BC002757
Gene ID (NCBI):	1346
Full name:	Cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)

Product information

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