

## COX7B Polyclonal Antibody

Catalog number: 11417-2-AP

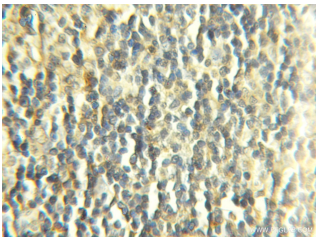
Size: 45 µg/150 µl

Source: Rabbit

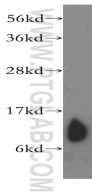
Isotype: IgG

Synonyms:

COX7B; COX7B



Immunohistochemical of paraffin-embedded human lymphoma using 11417-2-AP(COX7B antibody) at dilution of 1:100 (under 10x lens)



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 11417-2-AP(COX7B antibody) at dilution of 1:400

### Background

COX7B, also named as Cytochrome c oxidase subunit 7B, mitochondrial, is a 80 amino acid protein, which belongs to the cytochrome c oxidase VIIb family. COX7B protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. COX7B plays a role in proper central nervous system development in vertebrates. COX7B as a terminal enzyme in the mitochondrial respiratory chain (oxidative phosphorylation OXPHOS), catalyzing the electron transfer from reduced cytochrome c to molecule oxygen and plays a role in eye development.

### Applications

Tested applications:	ELISA, IHC, WB
Cited applications:	WB
Species specificity:	Human; other species not tested.
Cited species:	Human
Calculated COX7B MW:	80aa,9 kDa
Observed COX7B MW:	9 kDa
Positive WB detected in	Human skeletal muscle tissue, human brain tissue, human liver tissue
Positive IHC detected in	Human lymphoma tissue
Recommended dilution:	WB: 1:200-1:1000 IHC: 1:20-1:200

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

### Immunogen information

Immunogen:	Ag1988
GenBank accession number:	BC018386
Gene ID (NCBI):	1349
Full name:	Cytochrome c oxidase subunit VIIb

### Product information

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