COQ10B Polyclonal antibody

Catalog Number:17269-1-AP

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Basic Information

Catalog Number:
17269-1-AP

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG11024

GenBank Accession Number:
BC022453

GeneID (NCBI):
80219

UNIPROT ID:
Q9H8M1

Full Name:
coenzyme Q10 homolog B (S. cerevisiae)

Calculated MW:
238 aa, 27 kDa

Observed MW:
27 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human, mouse

Positive Controls:

WB : mouse brain tissue,

IF/ICC : A431 cells,

Background Information

COQ10B (coenzyme Q10, homolog B) is an anti-apoptosis enzyme stored in the mitochondria of cells and belongs to the COQ10 family. COQ10B is an important biological cofactor, which can increase the concentration of mitochondria in the brain and play a neuroprotective role (PMID: 35613207). COQ10B is an isoform of COQ10 and has been detected in chronic stress-associated intestinal barrier dysfunction, acute pelvic inflammatory illness, moyamoya disease, and pelvic inflammatory disease (PMID: 35911165). The calculated molecular mass of COQ10B is 27 kDa.
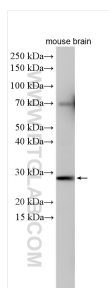
Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage
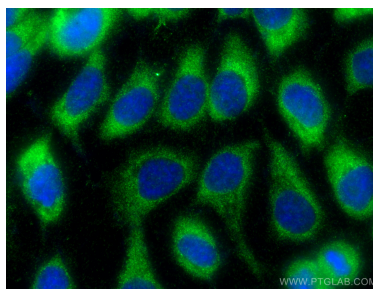
*** 20ul sizes contain 0.1% BSA

Selected Validation Data

mouse brain tissue were subjected to SDS PAGE followed by western blot with 17269-1-AP (COQ10B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using COQ10B antibody (17269-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).