For Research Use Only

UQCRFS1 Monoclonal antibody

Catalog Number:68529-1-Ig   1 Publications

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Basic Information

Catalog Number:
68529-1-Ig

Concentration:
1000 ug/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG13307

GenBank Accession Number:
BC010035

GeneID (NCBI):
7386

UNIPROT ID:
P47985

Full Name:
ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1

Calculated MW:
30 kDa

Observed MW:
25 kDa

Purification Method:
Protein G purification

CloneNo.:
1F11C4

Recommended Dilutions:
WB 1:5000-1:50000
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IF/ICC, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat, pig, rabbit

Cited Species:
mouse

Positive Controls:

WB : HeLa cells, Jurkat cells, HEK-293 cells, 4T1 cells, HSC-T6 cells, NIH/3T3 cells, pig brain tissue, rat brain tissue, mouse brain tissue

IF/ICC : HeLa cells,

Background Information

The ubiquinol cytochrome c reductase UQCRFS1 is a key subunit of the cytochrome bc1 complex (complex III) of the mitochondrial respiratory chain. The UQCRFS1 gene encode a 30 kDa protein with a transit peptide and it appears to be involved in development of more aggressive phenotype of breast cancer(PMID:15047214). UQCRFS1 is also named as RISP, complex III subunit 5, cytochrome b-c1 complex subunit 5 and rieske iron-sulfur protein.

Notable Publications

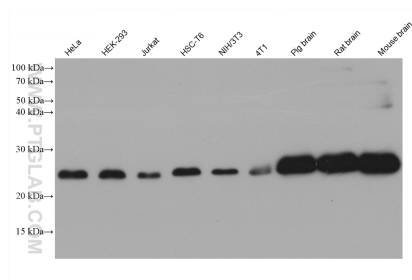| Author	Pubmed ID	Journal	Application
Yi Luo	39000167	Int J Mol Sci	WB

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.
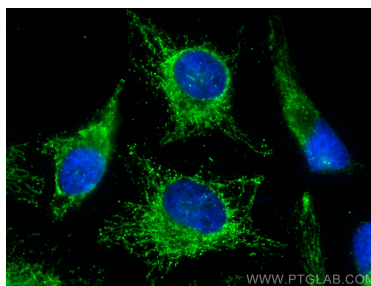Aliquoting is unnecessary for -20°C storage

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 68529-1-Ig (UQCRFS1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using UQCRFS1 antibody (68529-1-Ig, Clone: 1F11C4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).