

For Research Use Only

SUCLA2 Monoclonal antibody

Catalog Number: 68549-1-Ig



Basic Information

Catalog Number:

68549-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG17967

GenBank Accession Number:

BC027587

GeneID (NCBI):

8803

UNIPROT ID:

Q9P2R7

Full Name:

succinate-CoA ligase, ADP-forming, beta subunit

Calculated MW:

463 aa, 50 kDa

Observed MW:

48-50 kDa

Purification Method:

Protein A purification

CloneNo.:

2C7E4

Recommended Dilutions:

WB 1:2000-1:16000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB : HepG2 cells, LNCaP cells, HeLa cells, Jurkat cells, K-562 cells, mouse brain tissue

Background Information

SUCLA2, β subunit of succinate-CoA ligase, contributes to energy production in mitochondria through the succinate-CoA ligase enzyme. Succinate-CoA ligase catalyses the reversible conversion of succinyl-CoA and ADP or GDP to succinate and ATP or GTP. SUCLA2 mutations cause global protein succinylation and mitochondrial DNA depletion (PMID: 33230181, PMID: 20301762). Mutations in SUCLA2 are also associated with SUCLA2-related mitochondrial DNA depletion syndrome, Leigh syndrome, down syndrome (PMID: 23010432).

Storage

Storage:

Store at -20°C. 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

For technical support and original validation data for this product please contact:

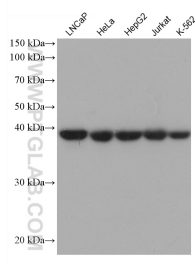
T: 4006900926

E: Proteintech-CN@ptglab.com

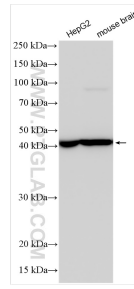
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68549-1-Ig (SUCLA2 antibody) at dilution of 1:9900 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68549-1-Ig (SUCLA2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.