

## **Product datasheet for TA382181**

## SUCLG1 Rabbit Polyclonal Antibody

## **Product data:**

**Product Type:** Primary Antibodies

Applications: ICC/IF, WB

Recommended Dilution: WB,1:200 - 1:2000

IF,1:50 - 1:200

Reactivity: Human, Mouse, Rat

Modifications: Unmodified

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 41-346 of

human SUCLG1 (NP\_003840.2).

**Formulation:** Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

**Concentration:** lot specific

**Purification:** Affinity purification

Conjugation: Unconjugated

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.

**Stability:** Shelf life: one year from despatch.

**Predicted Protein Size:** 36kDa

**Gene Name:** succinate-CoA ligase alpha subunit

Database Link: Entrez Gene 8802 Human

P53597

**Background:** This gene encodes the alpha subunit of the heterodimeric enzyme succinate coenzyme A

ligase. This enzyme is targeted to the mitochondria and catalyzes the conversion of succinyl CoA and ADP or GDP to succinate and ATP or GTP. Mutations in this gene are the cause of the

metabolic disorder fatal infantile lactic acidosis and mitochondrial DNA depletion.

Synonyms: FLJ21114; G-ALPHA; SCS-alpha; SUCLA1; tmp\_locus\_1



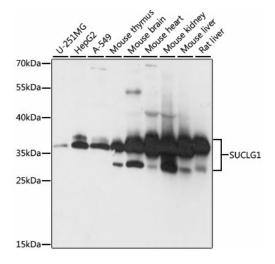
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

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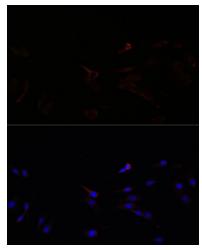
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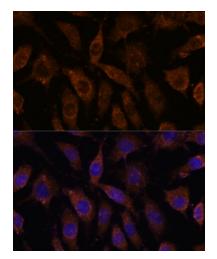
## **Product images:**



Western blot analysis of extracts of various cell lines, using SUCLG1 antibody (TA382181) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 5s.



Immunofluorescence analysis of C6 cells using SUCLG1 antibody (TA382181) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using SUCLG1 antibody (TA382181) at dilution of 1:100. Blue: DAPI for nuclear staining.

