Datasheet for ABIN7600906

anti-SUCLG1 antibody (AA 25-346)

Go to Product page

Overview

Quantity:	100 µg
Target:	SUCLG1
Binding Specificity:	AA 25-346
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUCLG1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SUCLG1 Antibody Picoband®
Immunogen:	E.coli-derived human SUCLG1 recombinant protein (Position: R25-K346).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SUCLG1 Antibody Picoband® (ABIN7600906). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SUCLG1
Alternative Name:	SUCLG1 (SUCLG1 Products)
Background:	Synonyms: ELAV-like protein 2, ELAV-like neuronal protein 1, Hu-antigen B, HuB, Nervous system-specific RNA-binding protein Hel-N1, ELAVL2, HUB Tissue Specificity: Brain, neural-specific. Background: Succinyl-CoA ligase [GDP-forming] subunit alpha, mitochondrial is an enzyme that in humans is encoded by the SUCLG1 gene. 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.
Molecular Weight:	35 kDa
Gene ID:	8802
UniProt:	P53597

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Chinopoulos, C., Batzios, S., van den Heuvel, L. P., Rodenburg, R., Smeets, R., Waterham, H. R., Turkenburg, M., Ruiter, J. P., Wanders, R. J. A., Doczi, J., Horvath, G., Dobolyi, A., Vargiami, E., Wevers, R. A., Zafeiriou, D. Mutated SUCLG1 causes mislocalization of SUCLG2 protein, morphological alterations of mitochondria and an early-onset severe neurometabolic disorder. Molec. Genet. Metab. 126: 43-52, 2019. 2. Gross, M. B. Personal Communication. Baltimore, Md. 5/29/2015. 3. James, M., Man, N., Edwards, Y. H., Morris, G. E. The molecular basis for cross-reaction of an anti-dystrophin antibody with alpha-actinin. Biochim. Biophys. Acta 1360: 169-176, 1997.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.