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Datasheet for ABIN5010618

anti-sl25a13 antibody (AA 351-450) (AbBy Fluor® 680)

Overview

Quantity:	100 µL
Target:	slc25a13
Binding Specificity:	AA 351-450
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This slc25a13 antibody is conjugated to AbBy Fluor® 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SLC25A13
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Horse, Chicken
Purification:	Purified by Protein A.

Target Details

Target:	slc25a13
Alternative Name:	SLC25A13 (slc25a13 Products)
Background:	Synonyms: ARALAR2, Calcium binding mitochondrial carrier protein Aralar2, Citrin, CTLN2, Ctrn,

Target Details

Mitochondrial aspartate glutamate carrier 2, RGD1565889, Solute carrier family 25 citrin member 13, Solute carrier family 25 member 13 citrin, Solute carrier family 25 member 13, AI785475, CMC2_HUMAN.

Background: SLC25A13 is a member of the mitochondrial carrier family. It contains four EF-hand Ca(2+) binding motifs in the N-terminal domain, and localizes to mitochondria. It catalyzes the exchange of aspartate for glutamate and a proton across the inner mitochondrial membrane, and is stimulated by calcium on the external side of the inner mitochondrial membrane. Mutations in the SLC25A13 gene result in citrullinemia, type II. Multiple transcript variants encoding different isoforms have been found for this gene.

Gene ID: 10165

Pathways: [Ribonucleoside Biosynthetic Process](#), [Dicarboxylic Acid Transport](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months