

Datasheet for ABIN7469006
anti-SLC25A22 antibody



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Overview

Quantity:	100 µL
Target:	SLC25A22
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC25A22 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human SLC25A22. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	SLC25A22
Alternative Name:	solute carrier family 25 member 22 (SLC25A22 Products)
Background:	Synonyms: solute carrier family 25 member 22 , EIEE3 , GC-1 , GC1 , NET44 Background: The SLC25 gene family encodes mitochondrial carriers that transport a variety of metabolites across the inner mitochondrial membrane (Palmieri, 2004 [PubMed 14598172]).

Target Details

SLC25A22, also known as GC1, is 1 of the 2 mitochondrial glutamate/H⁺ symporters, the other being SLC25A18 (MIM 609303).[supplied by OMIM]

Molecular Weight: 34 kDa

Gene ID: 79751

UniProt: [Q9H936](#)

Pathways: [Dicarboxylic Acid Transport](#)

Application Details

Application Notes: WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: A431 , Mouse brain

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.