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Datasheet for ABIN7469007 **anti-SLC25A22 antibody**

Overview

Quantity:	100 µL
Target:	SLC25A22
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

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: 1:1000-1:10000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Mouse brain , H1299 , HeLa , HepG2
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % 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.