

**SLC37A4 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12324****Specification**

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**SLC37A4 antibody - N-terminal region - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">O43826</a>
Other Accession	<a href="#">NM_001467</a> , <a href="#">NP_001458</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46kDa KDa

**SLC37A4 antibody - N-terminal region - Additional Information****Gene ID** 2542**Alias Symbol** G6PT1, G6PT2, G6PT3, GSD1b, GSD1c, GSD1d, MGC15729, PRO0685, TRG19, TRG-19**Other Names**

Glucose-6-phosphate translocase, Glucose-5-phosphate transporter, Solute carrier family 37 member 4, Transformation-related gene 19 protein, TRG-19, SLC37A4, G6PT, G6PT1

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-SLC37A4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

SLC37A4 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**SLC37A4 antibody - N-terminal region - Protein Information****Name** SLC37A4 ([HGNC:4061](#))**Synonyms** G6PT, G6PT1**Function**

Inorganic phosphate and glucose-6-phosphate antiporter of the endoplasmic reticulum. Transports cytoplasmic glucose-6-phosphate into the lumen of the endoplasmic reticulum and translocates

inorganic phosphate into the opposite direction (PubMed:<a href="http://www.uniprot.org/citations/33964207" target="\_blank">33964207</a>). Forms with glucose-6-phosphatase the complex responsible for glucose production through glycogenolysis and gluconeogenesis. Hence, it plays a central role in homeostatic regulation of blood glucose levels.

#### Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

#### Tissue Location

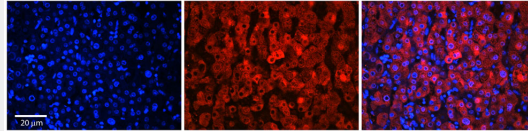
Mostly expressed in liver and kidney.

### SLC37A4 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SLC37A4 antibody - N-terminal region - Images



#### Rabbit Anti-SLC37A4 Antibody

Formalin Fixed Paraffin Embedded Tissue: Human Adult Liver Observed Staining: Cytoplasm in hepatocytes, moderate tissue distribution

Primary Antibody

Concentration: 1:100

Secondary Antibody: Donkey anti-Rabbit-Cy3

Secondary Antibody

Concentration: 1:200

Magnification: 20X

Exposure Time: 0.5 – 2.0 sec

Protocol located in Reviews and Data.



WB Suggested Anti-SLC37A4 Antibody Titration: 0.2-1  $\mu$ g/ml

ELISA Titer: 1:312500

Positive Control: Human brain

### **SLC37A4 antibody - N-terminal region - References**

Fortier, S., (2008) FEBS Lett. 582(5), 799-804 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.