

**SLC37A4 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12325**

### Specification

#### SLC37A4 antibody - middle region - Product Information

Application	WB, IHC
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, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46kDa KDa

#### SLC37A4 antibody - middle region - Additional Information

##### Gene ID 2542

Alias Symbol	<a href="#">G6PT1</a> , <a href="#">G6PT2</a> , <a href="#">G6PT3</a> , <a href="#">GSD1b</a> , <a href="#">GSD1c</a> , <a href="#">GSD1d</a> , <a href="#">MGC15729</a> , <a href="#">PRO0685</a> , <a href="#">TRG19</a> , <a href="#">TRG-19</a>
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##### 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 - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

#### SLC37A4 antibody - middle 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 - middle 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 - middle region - Images****Rabbit Anti-SLC37A4 Antibody**

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

Primary Antibody

Concentration: 1:100

Secondary Antibody: Donkey anti-Rabbit-Cy3

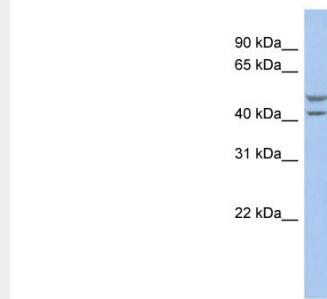
Secondary Antibody

Concentration: 1:200

Magnification: 20X

Exposure Time: 0.5 – 2.0 sec

Protocol located in Reviews and Data.

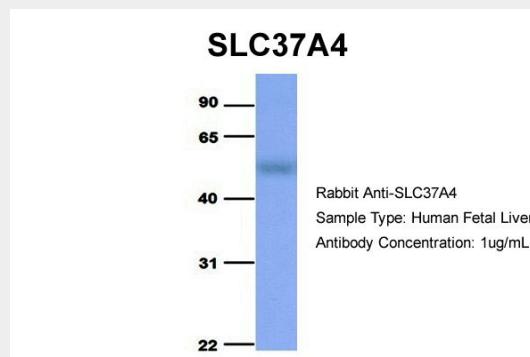


WB Suggested Anti-SLC37A4 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: OVCAR-3 cell lysate

SLC37A4 is supported by BioGPS gene expression data to be expressed in OVCAR3

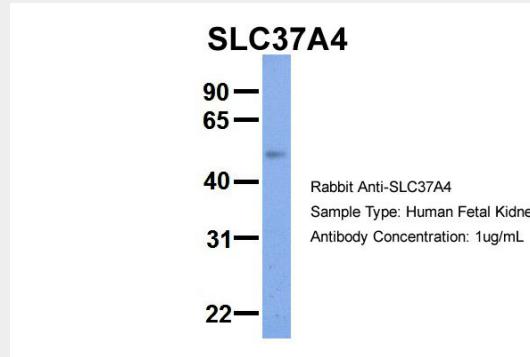


Host: Rabbit

Target Name: SLC37A4

Sample Tissue: Human Fetal Liver

Antibody Dilution: 1.0µg/ml



Host: Rabbit

Target Name: SLC37A4

Sample Tissue: Human Fetal Kidney

Antibody Dilution: 1.0µg/ml

#### **SLC37A4 antibody - middle region - References**

Fortier,S.,(2008)FEBSLett.582(5),799-804ReconstitutionandStorage:Forshorttermuse,storeat2-8Cup to1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.