

SLC16A12 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57921**Specification****SLC16A12 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6ZSM3
Reactivity	Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56498

SLC16A12 Polyclonal Antibody - Additional Information**Gene ID** 387700**Other Names**

Monocarboxylate transporter 12, MCT 12, Creatine transporter 2, CRT2, Solute carrier family 16 member 12 {ECO:0000312|HGNC:HGNC:23094}, SLC16A12 ([HGNC:23094](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=23094))

Dilution

IHC-P ~ N/A
IHC-F ~ N/A
IF ~ 1:50 ~ 200
ICC ~ N/A
E ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

SLC16A12 Polyclonal Antibody - Protein Information**Name** SLC16A12 ([HGNC:23094](#))**Function**

Functions as a transporter for creatine and as well for its precursor guanidinoacetate. Transport of creatine and GAA is independent of resting membrane potential and extracellular Na(+), Cl(-), or pH. Contributes to the process of creatine biosynthesis and distribution.

Cellular Location

Cell membrane; Multi-pass membrane protein. Basolateral cell membrane {ECO:0000250|UniProtKB:Q8BGC3}; Multi-pass membrane protein. Note=Interaction with isoform

2 of BSG is required for its localization to the plasma membrane.

Tissue Location

Most highly expressed in kidney, followed by retina, lung, heart and testis. Very weakly expressed in brain and liver. Also detected in lens.

SLC16A12 Polyclonal Antibody - 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](#)

SLC16A12 Polyclonal Antibody - Images