

**SLC16A12 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57921**

**Specification**

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**SLC16A12 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">O6ZSM3</a>
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))

**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**