10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

# SLC22A4 Polyclonal Antibody

**Purified Rabbit Polyclonal Antibody (Pab)**

**Catalog # AP58021**

## Specification

### SLC22A4 Polyclonal Antibody - Product Information

| | |
|---|---|
| Application | IHC-P |
| Primary Accession | O9Z306 |
| Reactivity | Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 62290 |

### SLC22A4 Polyclonal Antibody - Additional Information

**Gene ID** 30805

**Other Names**
Solute carrier family 22 member 4, Organic cation/carnitine transporter 1, Slc22a4, Octn1

**Format**
0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

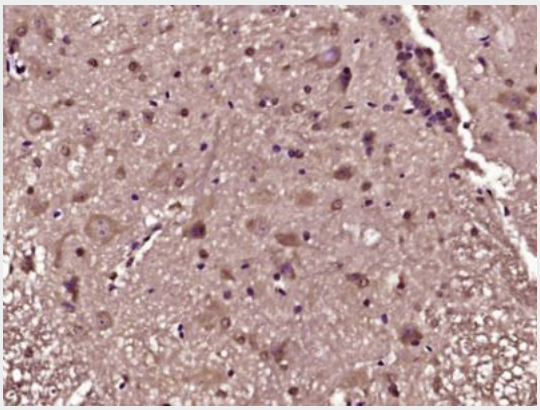
**Storage**
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

### SLC22A4 Polyclonal Antibody - Protein Information

**Name** Slc22a4

**Synonyms** Octn1

**Function**
Sodium-ion dependent, low affinity carnitine transporter. Probably transports one sodium ion with one molecule of carnitine. Also transports organic cations such as tetraethylammonium (TEA) without the involvement of sodium. Relative uptake activity ratio of carnitine to TEA is 1.78.



Paraformaldehyde-fixed, paraffin embedded (Mouse spinal cord); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SLC22A4) Polyclonal Antibody, Unconjugated (bs-24163R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

**Cellular Location**
Membrane; Multi- pass membrane protein

**Tissue Location**
Expressed in kidney, liver and testis.
Weakly expressed in other tissues.

## SLC22A4 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 Cytomety
- Cell Culture