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SLC38A8 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15970

Specification

SLC38A8 Antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	A6NNN8
Other Accession	NM_001080442, NP_001073911
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**47kDa KDa**

SLC38A8 Antibody - C-terminal region - Additional Information

Gene ID 146167

Other Names
Putative sodium-coupled neutral amino acid transporter 8, Solute carrier family 38 member 8, SLC38A8

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

Reconstitution & Storage
Add 50 &mu, l of distilled water. Final Anti-SLC38A8 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
SLC38A8 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SLC38A8 Antibody - C-terminal region - Protein Information

Name SLC38A8 {ECO:0000250|UniProtKB:Q5HZH7, ECO:0000312|HGNC:HGNC:32434}

Function
Electrogenic sodium-dependent amino acid transporter with a preference for L-glutamine, L-alanine, L-histidine, L-aspartate and L- arginine. May facilitate glutamine uptake in both excitatory and inhibitory neurons. The transport mechanism and stoichiometry remain to be elucidated.

Cellular Location

Membrane {ECO:0000250|UniProtKB:Q5HZH7}; Multi- pass membrane protein. Cytoplasm, cell cortex {ECO:0000250|UniProtKB:Q5HZH7}. Cell projection, axon {ECO:0000250|UniProtKB:Q5HZH7}

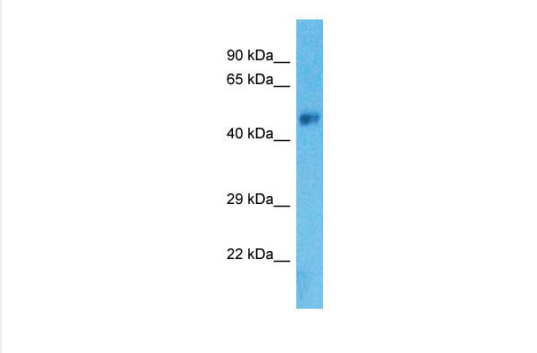
Tissue Location
Expressed in fetal and adult brain, and spinal cord. In the brain, it is localized in the cell body and axon of the majority of neuronal cells and in a subset of glial cells. Found throughout the neuronal retina, with higher expression levels in the inner and outer plexiform layers and the photoreceptor layer. Very weak expression is also present in the kidneys, thymus, and testes

SLC38A8 Antibody - C-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 Cytomety
- Cell Culture

SLC38A8 Antibody - C-terminal region - Images



Host: Rabbit
Target Name: SLC38A8
Sample Tissue: Fetal Brain lysates
Antibody Dilution: 1.0µg/ml

SLC38A8 Antibody - C-terminal region - Background

Putative sodium-dependent amino acid/proton antiporter.

SLC38A8 Antibody - C-terminal region - References

Martin J.,et al.Nature 432:988-994(2004).
Poulter J.A.,et al.Am. J. Hum. Genet. 93:1143-1150(2013).
Perez Y.,et al.Eur. J. Hum. Genet. 22:703-706(2014).