10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Slc9a5 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12340

Specification

Slc9a5 antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	B2RXE2
Other Accession	NM_001081332, NP_001074801
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog**
Predicted	**Mouse, Rat, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**99kDa KDa**

Slc9a5 antibody - C-terminal region - Additional Information

Gene ID 277973

Alias Symbol	**Gm696**

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-Slc9a5 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
Slc9a5 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Slc9a5 antibody - C-terminal region - Protein Information

Name Slc9a5

Synonyms Nhe5 {ECO:0000303|PubMed:28981195}

Function
Plasma membrane Na(+)/H(+) antiporter. Mediates the electroneutral exchange of intracellular H(+) ions for extracellular Na(+) in 1:1 stoichiometry. Responsible for regulating intracellular pH homeostasis, in particular in neural tissues. Acts as a negative regulator of dendritic spine growth. Plays a role in postsynaptic remodeling and signaling. Can also contribute to organellar pH regulation, with consequences for receptor tyrosine kinase trafficking.

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q14940}; Multi-pass membrane protein. Recycling endosome membrane {ECO:0000250|UniProtKB:Q14940}; Multi-pass membrane protein. Cell

projection, dendritic spine membrane {ECO:0000250|UniProtKB:Q14940}; Multi-pass membrane protein. Synaptic cell membrane {ECO:0000250|UniProtKB:Q14940}; Multi-pass membrane protein. Cell junction, focal adhesion {ECO:0000250|UniProtKB:Q14940}. Note=Cycles between recycling endosome and plasma membrane in response to diverse stimuli. Its internalization is clathrin- and beta-arrestin dependent and its plasma membrane insertion from the recycling endosomes requires phosphoinositide 3- kinase (PIK3CA) and SCAMP2. {ECO:0000250|UniProtKB:Q14940}

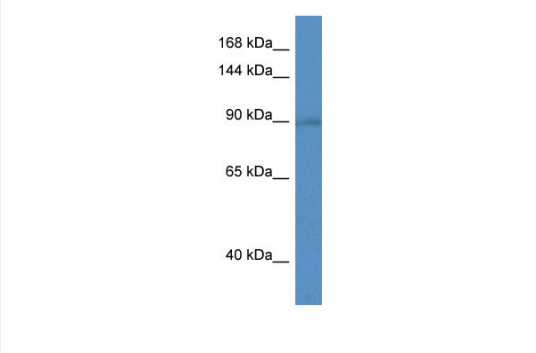
Tissue Location
Highest expression level is detected in brain (PubMed:28981195). Expressed in hippocampal neurons (at protein level) (PubMed:21551074).

Slc9a5 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

Slc9a5 antibody - C-terminal region - Images



WB Suggested Anti-Slc9a5 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Brain