

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

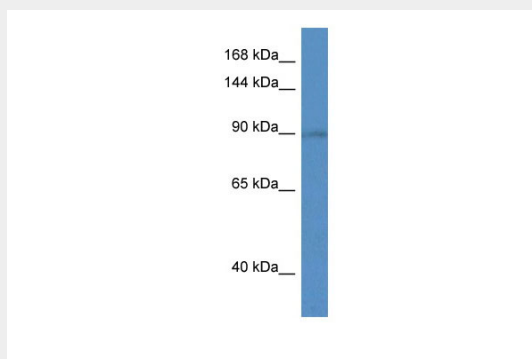
Highest expression level is detected in brain (PubMed:28981195). Expressed in hippocampal neurons (at protein level) (PubMed:21551074).

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 Cytometry](#)
- [Cell Culture](#)

Slc9a5 antibody - C-terminal region - Images



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