

MRGX1 / MRGPRX1 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10582**Specification**

MRGX1 / MRGPRX1 Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	Q96LB2
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36kDa KDa

MRGX1 / MRGPRX1 Antibody (N-Terminus) - Additional Information**Gene ID** 259249**Other Names**

Mas-related G-protein coupled receptor member X1, Sensory neuron-specific G-protein coupled receptor 3/4, MRGPRX1, MRGX1, SNSR3, SNSR4

Target/Specificity

Human MRGPRX1 / MRGX1. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except MRGPRX3 (71%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

MRGX1 / MRGPRX1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

MRGX1 / MRGPRX1 Antibody (N-Terminus) - Protein Information**Name** MRGPRX1**Synonyms** MRGX1, SNSR3, SNSR4**Function**

Orphan receptor. Probably involved in the function of nociceptive neurons. May regulate nociceptor function and/or development, including the sensation or modulation of pain. Potently activated by enkephalins including BAM22 (bovine adrenal medulla peptide 22) and BAM (8-22)(PubMed:26582731). BAM22 is the most potent compound and evoked a large and dose-dependent release of intracellular calcium in stably transfected cells. G(alpha)q proteins are involved in the calcium-signaling pathway. Activated by the antimalarial drug, chloroquine. May mediate chloroquine-induced itch, in a histamine- independent manner.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Uniquely localized in a subset of small dorsal root and trigeminal sensory neurons.

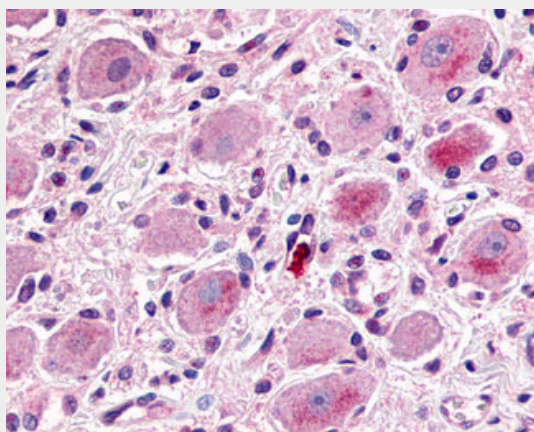
Volume

50 µl

MRGX1 / MRGPRX1 Antibody (N-Terminus) - 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](#)

MRGX1 / MRGPRX1 Antibody (N-Terminus) - Images

Anti-MRGPRX1 / MRGX1 antibody ALS10582 IHC of human ganglion cells and Schwann cells.

MRGX1 / MRGPRX1 Antibody (N-Terminus) - Background

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MRGX1 / MRGPRX1 Antibody (N-Terminus) - References

Dong X., et al. Cell 106:619-632(2001).
Lembo P.M.C., et al. Nat. Neurosci. 5:201-209(2002).

Suwa M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
Takeda S.,et al.FEBS Lett. 520:97-101(2002).
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