

**Anti-MRGX1 Antibody**  
**Catalog # AP53995****Specification**

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**Anti-MRGX1 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IF                 |
| Primary Accession | <a href="#">Q96LB2</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 36250                  |

**Anti-MRGX1 Antibody - Additional Information****Gene ID** 259249**Other Names**

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

**Target/Specificity**

Recognizes endogenous levels of MRGX1 protein.

**Dilution**

WB~~1/500 - 1/1000

IF~~1/50 - 1/200

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-MRGX1 Antibody - 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:<a href="http://www.uniprot.org/citations/26582731" target="\_blank">26582731</a>). 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.

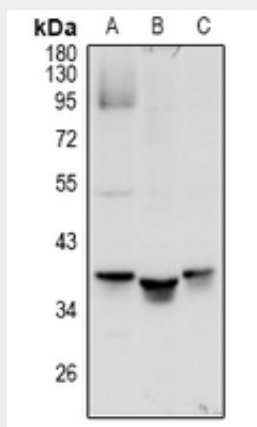
**Tissue Location**

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

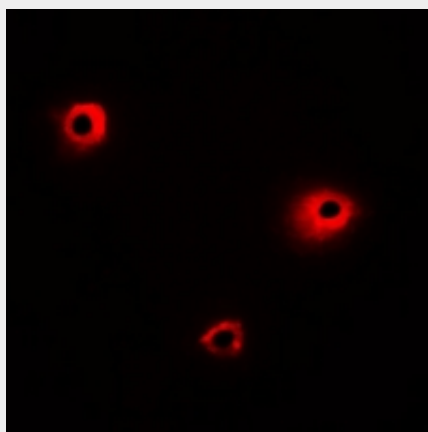
**Anti-MRGX1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-MRGX1 Antibody - Images**

Western blot analysis of MRGX1 expression in U87MG (A) whole cell lysates.



Immunofluorescent analysis of MRGX1 staining in HepG2 cells. Formalin-fixed cells were

permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.

**Anti-MRGX1 Antibody - Background**

Rabbit polyclonal antibody to MRGX1