

**MRGX1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58478****Specification****MRGX1 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q96LB2</a>
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36250

**MRGX1 Polyclonal Antibody - 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

**Dilution**

IHC-P ~ ~ N/A  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
ICC ~ ~ N/A  
E ~ ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**MRGX1 Polyclonal 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: [26582731](http://www.uniprot.org/citations/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.

**MRGX1 Polyclonal 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](#)

**MRGX1 Polyclonal Antibody - Images**