abcam

## Product datasheet

# Anti-MRGX1 antibody ab77519

2 Images

### Overview

| | |
|---|---|
| **Product name** | Anti-MRGX1 antibody |
| **Description** | Rabbit polyclonal to MRGX1 |
| **Host species** | Rabbit |
| **Tested applications** | **Suitable for:** WB, ICC/IF |
| **Species reactivity** | **Reacts with:** Human |
| **Immunogen** | Synthetic peptide derived from internal sequence of human GPCR MRGX1. |
| **Positive control** | Extracts from MCF-7 cells. HepG2 cells. |
| **General notes** | The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.<br>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As |

### Properties

| | |
|---|---|
| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. |
| **Storage buffer** | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS<br><br>Without Mg2+ and Ca2+ |
| **Purity** | Immunogen affinity purified |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab77519 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|---|---|---|
| **WB** | | 1/500 - 1/1000. Predicted molecular weight: 36 kDa. |
| **ICC/IF** | | 1/500 - 1/1000. |

## Target

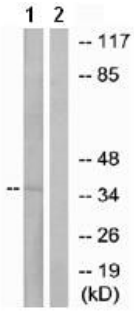
**Function** Orphan receptor. Probably involved in the function of nociceptive neurons. May regulate nociceptor function and/or development, including the sensation or modulation of pain. Potently activated by enkephalins including BAM22 (bovine adrenal medulla peptide 22) and BAM (8-22) (PubMed:26582731). 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.

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

**Sequence similarities** Belongs to the G-protein coupled receptor 1 family. Mas subfamily.

**Cellular localization** Cell membrane.

## Images




Western blot - Anti-MRGX1 antibody (ab77519)

**All lanes :** Anti-MRGX1 antibody (ab77519) at 1/500 dilution

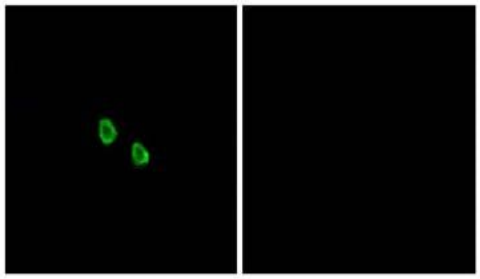
**Lane 1 :** Extracts from MCF-7 cells

**Lane 2 :** Extracts from MCF-7 cells with immunising peptide at 5 µg

Lysates/proteins at 5 µg per lane.

**Predicted band size:** 36 kDa

**Observed band size:** 36 kDa




Immunocytochemistry/ Immunofluorescence - Anti-MRGX1 antibody (ab77519)

Immunofluorescence analysis of GPCR MRGX1 in HepG2 cells using ab77519, at 1/500 dilution, in the absence or presence of immunising peptide

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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