

MRGX1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05554
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MRGX1. AA range:271-320
Mol wt	36250
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IF, ELISA
Concentration	1 mg/ml
Full name	MRGX1 Antibody
Synonyms	MRGPRX1; MRGX1; SNSR3; SNSR4; Mas-related G-protein coupled receptor member X1; Sensory neuron-specific G-protein coupled receptor 3/4

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

MRGPRX1 (MAS Related GPR Family Member X1) is a Protein Coding gene. GO annotations related to this gene include G-protein coupled receptor activity. An important paralog of this gene is MRGPRX4. rphan 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.

Recommended Dilution

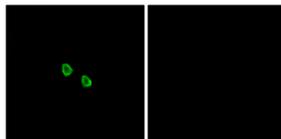
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

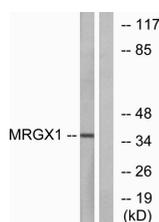
ELISA: 1: 5000

Not yet tested in other applications.

Images



Immunofluorescence analysis of HepG2 cells, using MRGX1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from MCF-7 cells, using MRGX1 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com