MRGPRX1 3 4 Antibody FITC Conjugated

Catalog No: #C06506F

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	MRGPRX1 3 4 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu
Immunogen Description	KLH conjugated synthetic peptide aa 1-35 322 derived from human MRGX1
Conjugates	FITC
Target Name	MRGPRX1 3 4
Other Names	MRGPRC; G protein coupled receptor MRGX1; G protein coupled receptor SNSR3; GPCR; Mas related G protein coupled receptor member X1; MAS related gene MRGX1; MAS related GPR member X1; MRGPRX1; MRGX1; Sensory neuron specic G protein coupled receptor 3 4; Seven transmembrane helix receptor; SNSR3; SNSR
Accession No.	NCBI Gene ID259249, 117195, 117196
GeneID	259249;117195;117196;
Excitation Emission	494nm 518nm
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

Background

There are four members (MRGX1-4) in the human MRGX familly. MRGX1 and MRGX2 receptors stimulate both G Alpha q- and G Alpha i -regulated pathways, while MRGX3 and MRGX4 receptors mainly activate G Alpha q-regulated pathways. G Alpha q proteins are involved in the calcium-signaling pathway downstream of the MRGX receptors. MRGX receptors are unique in that they are expressed in a subset of small dorsal root and trigeminal sensory neurons. 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). 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.

Note: This product is for in vitro research use only