

Rabbit anti-Human MRGPRX2 Polyclonal Antibody | anti-MRGPRX2 antibody

MRGPRX2 Antibody (C-term)

CATALOG # AAA289437	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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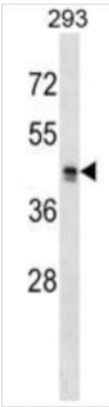
PRODUCT SYNONYMS

MRGPRX2; Polyclonal Antibody; MRGPRX2 Antibody (C-term); Mas-related G-protein coupled receptor member X2; MRGX2; anti-MRGPRX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MRGPRX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 287-315 amino acids from the C-terminal region of human MRGPRX2.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	330
Applicable Applications for anti-MRGPRX2 antibody	ELISA, WB (Western Blot)
Antigen Region	287-315
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Mainly expressed in mast cells. Has a limited expression profile, both peripheral and within the central nervous system, with highest levels in dorsal root ganglion (PubMed:12915402) Detected in blood vessels, scattered lymphocytes, and gastrointestinal ganglia (at protein level) (PubMed:16161007)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
MRGPRX2 Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the MRGPRX2 antibody detected the MRGPRX2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MRGPRX2 antibody	MRGPRX2 is the orphan receptor. Probably involved in the function of nociceptive neurons. May regulate nociceptor function and/or development, including the sensation or modulation of pain. Cortistatin-14 seems to be a high potency ligand at this receptor. Cortistatin has several biological functions including roles in sleep regulation locomotor activity, and cortical function. In receptor-expressing cells, cortistatin-stimulated increases in intracellular Ca(2+) but had no effect on basal or forskolin-stimulated cAMP levels, suggesting that this receptor is G(q)-coupled.
Product Categories/Family for anti-MRGPRX2 antibody	Neuroscience; Signal Transduction; GPCR Antibodies
References	Gembardt, F., et al. Mol. Cell. Biochem. 319 (1-2), 115-123 (2008) : Yang, S., et al. Gene 352, 30-35 (2005) : Robas, N., et al. J. Biol. Chem. 278(45):44400-44404(2003) Takeda, S., et al. FEBS Lett. 520 (1-3), 97-101 (2002) : Dong, X., et al. Cell 106(5):619-632(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	16876451
NCBI GeneID	117194
NCBI Accession #	NP_473371.1
NCBI GenBank Nucleotide #	NM_054030.3
UniProt Accession #	Q96LB1; Q4QXW4; Q4QXW7; Q4QXX0; Q4QXX2; Q4QXX3; Q4QXX4; Q4QXX6; Q4QXX7; B5B0C7; W8W3L5
Molecular Weight	37099
NCBI Official Full Name	mas-related G-protein coupled receptor member X2
NCBI Official Synonym Full Names	MAS-related GPR, member X2
NCBI Official Symbol	MRGPRX2
NCBI Official Synonym Symbols	MGRG3; MRGX2
NCBI Protein Information	mas-related G-protein coupled receptor member X2
UniProt Protein Name	Mas-related G-protein coupled receptor member X2
UniProt Gene Name	MRGPRX2
UniProt Synonym Gene Names	MRGX2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mrgprx2-antibody-western-blot-elisa/289437>