

Rabbit MRGPRX2 / MRGX2 Polyclonal Antibody | anti-MRGPRX2 antibody

Rabbit Polyclonal to Human MRGPRX2 / MRGX2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51375	Rabbit	Human, Monkey.	Immunohistochemistry, Immunohistochemistry

PRODUCT SYNONYMS

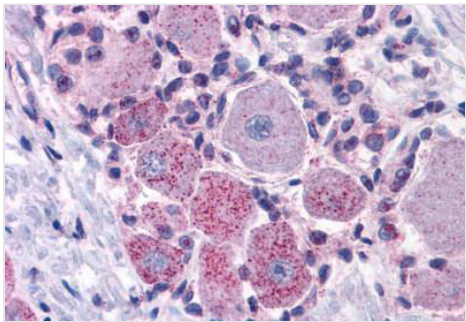
MRGPRX2 / MRGX2; Polyclonal Antibody; Rabbit Polyclonal to Human MRGPRX2 / MRGX2; Anti-MRGPRX2 / MRGX2 Antibody (Extracellular Domain) IHC-plus; MRGPRX2; MRGX2; MAS-related GPR; member X2; Human MRGPRX2; anti-MRGPRX2 antibody

PRODUCT SPECIFICATIONS

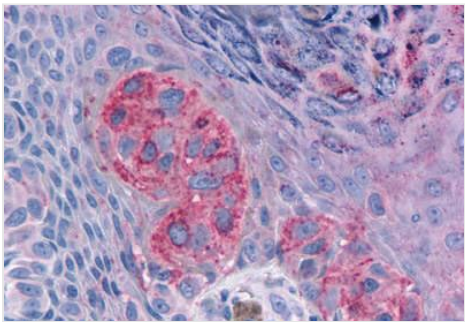
Host	Rabbit
Reactivity	Human, Monkey.
Clonality	Polyclonal
Specificity	Human MRGPRX2 / MRGX2. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except MRGPRX1 (71%), MRGPRX4 (64%), MRGPRX3 (57%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	330
Applicable Applications for anti-MRGPRX2 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Family/Subfamily	GPCR /Proadrenomedullin N-terminal peptide.
Immunogen Species	MRGPRX2/ MRGX2 antibody was raised against Human.
Target Species	Human
Immunogen Description	Synthetic 14 amino acid peptide from 2nd extracellular domain of human MRGPRX2 / MRGX2. Percent identity with other species by BLAST analysis: Human, Orangutan, Monkey (100%); Chimpanzee, Gorilla, Gibbon, Marmoset (86%).
Antigen Type	Synthetic peptide
Antigen Modification	Extracellular Domain
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Note	During shipment,small volumes of product will ocassionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial to dislodge any liquid in the container's cap prior to opening.
Warning	This reagent may contain sodium azide. The chemical, physical, and toxicological properties of this material have not been thoughly investigated.Standard Laboratory Practices should be followed. Avoid skin and eye contact,inhalation, and ingestion. Sodium azide forms hydrazoic acid under acidic conditions and may react with lead or copper plubing to form highly explosive metal azides. On disposal, flush with large volumes of water to prevent accumulation
Preparation and Storage	Aliquot and store at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze/thaw cycles.

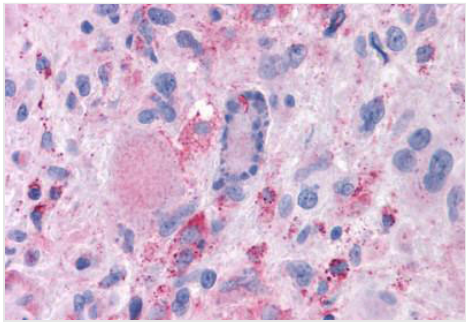
IMAGES



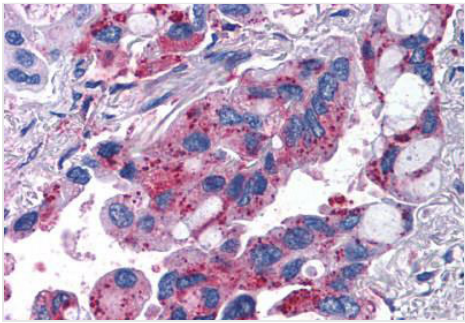
IHC (Immunohistochemistry)
Anti-MRGPRX2 / MRGX2 antibody IHC of human spinal cord, dorsal root ganglion. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-MRGPRX2 / MRGX2 antibody IHC of human Skin, Melanoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-MRGPRX2 / MRGX2 antibody IHC of human Brain, Glioblastoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-MRGPRX2 / MRGX2 antibody IHC of human Lung, Non-Small Cell Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-MRGPRX2 antibody	MRGX2 is highly similar to other MRG receptors. Recently it has been shown that MrgX2 is a high potency cortistatin receptor expressed in dorsal root ganglion
Product Categories/Family for anti-MRGPRX2 antibody	Family: GPCR; Subfamily: Proadrenomedullin N-terminal peptide

NCBI AND UNIPROT INFORMATION

NCBI GI #	16876451
NCBI GeneID	117194
NCBI Accession #	NP_473371.1
NCBI GenBank Nucleotide #	NM_054030.2
UniProt Accession #	Q96LB1; Q4QXW4; Q4QXW7; Q4QXX0; Q4QXX2; Q4QXX3; Q4QXX4; Q4QXX6; Q4QXX7; B5B0C7
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; G protein-coupled receptor MRGX2; Mas-related G protein-coupled receptor G3
UniProt Protein Name	Mas-related G-protein coupled receptor member X2

UniProt Gene Name	MRGPRX2
UniProt Synonym Gene Names	MRGX2
UniProt Entry Name	MRGX2_HUMAN

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-mrgx2-antibody-immunohistochemistry-immunohistochemistry-elisa/51375>