

Datasheet for ABIN1049077

**anti-MRGPRX2 antibody (Extracellular Domain)****2** Images[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	MRGPRX2
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (IHC)

## Product Details

Brand:	IHC-plus™
Immunogen:	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%).  Type of Immunogen: Synthetic peptide
Specificity:	Human MRGPRX2 / MRGX2. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except MRGPRX1 (71 % ), MRGPRX4 (64 %), MRGPRX3 (57 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Orangutan, Monkey (100%) Chimpanzee, Gorilla, Gibbon, Marmoset (86%).
Purification:	Immunoaffinity purified

## Target Details

Target:	MRGPRX2
Alternative Name:	MRGPRX2 / MRGX2 ( <a href="#">MRGPRX2 Products</a> )
Background:	Name/Gene ID: MRGPRX2 Subfamily: Proadrenomedullin N-terminal peptide Family: GPCR  Synonyms: MRGPRX2, MRGX2, MAS-related GPR, member X2
Gene ID:	117194

## Application Details

Application Notes:	Approved: IHC, IHC-P (2 - 4 µg/mL)
Comment:	Target Species of Antibody: Human
Assay Procedure:	<b>The IHC-pro Immunohistochemistry Protocol</b>  <b>Tissue Preparation</b> Formalin fixation and embedding in paraffin wax  <b>Tissue Sectioning</b> Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C Deparaffinization Wash slides in 3 changes of xylene – 5 minutes each at room temperature.  <b>Rehydration</b> Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature. Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature. Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature. Rinse slides in gentle running distilled water – 5 minutes at room temperature.  <b>Antigen retrieval</b> 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 at room temperature.

### Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

### Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

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Restrictions:	For Research Use only
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### Handling

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Format:	Liquid
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Concentration:	Lot specific
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Buffer:	PBS, less than 0.1 % sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C,-20 °C
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Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for
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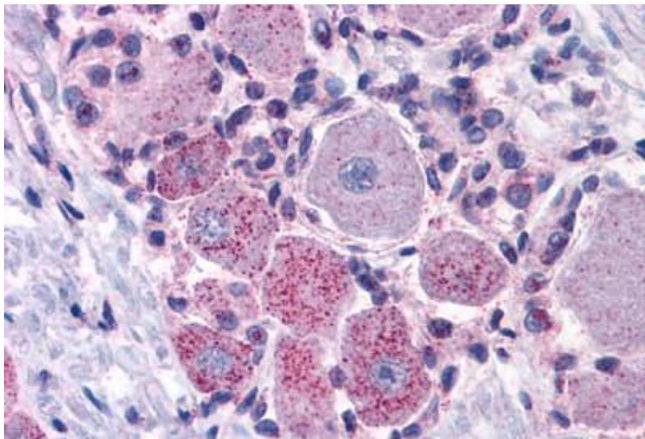
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Handling

up to 1 month. Avoid freeze-thaw cycles.

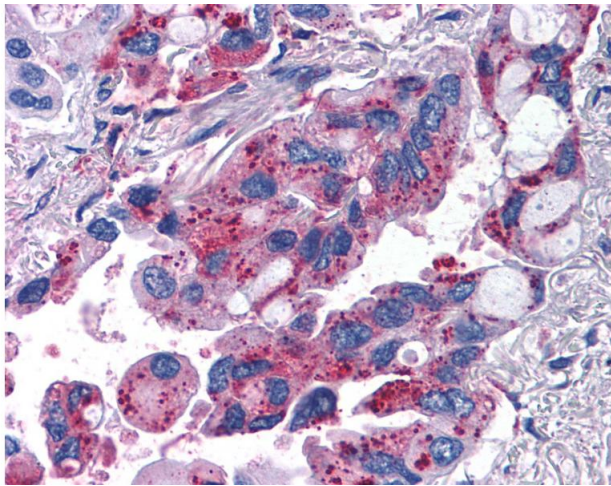
Expiry Date: 12 months

Images



Immunohistochemistry

**Image 1.** Anti-MRGPRX2 / MRGX2 antibody ABIN1049077 IHC staining of human spinal cord, dorsal root ganglion. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

**Image 2.** Anti-MRGPRX2 / MRGX2 antibody IHC of human Lung, Non-Small Cell Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.