

**Datasheet for 600-401-P80****MRGPCR/SNSR Antibody****Overview**

<b>Description:</b>	Anti-MRGPCR/SNSR (RABBIT) Antibody - 600-401-P80
<b>Item No.:</b>	600-401-P80
<b>Size:</b>	100 µg
<b>Applications:</b>	IHC, WB
<b>Reactivity:</b>	Rat
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	MAS-related G-protein coupled receptor, member C, also known as MRGPCR or MRGPRX1, is a human gene. The Mas-related genes (Mrgs) comprise a family of >50 G protein-coupled receptors (GPCRs), many of which are expressed in specific subsets of nociceptive sensory neurons in mice. In contrast, humans contain a related but nonorthologous family of genes, called MrgXs or sensory neuron-specific receptors, of which many fewer appear to be expressed in sensory neurons. This antibody is suitable for researchers interested in neuroscience research.
<b>Synonyms:</b>	Mas-related G-protein coupled receptor member X1, Sensory neuron-specific G-protein coupled receptor 1, Mrgprx1, Mrgc, Mrgprc, Mrgprc11, Snsr, Snsr1
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	Mrgprx1
<b>Reactivity:</b>	Rat
<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	MRGPCR/SNSR affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a sequence at the N-terminal of rat MRGPCR.

**Purity/Specificity:** Anti-MRGPRC antibody is directed against rat MRGPRC protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from rat based on 100% homology for the immunogen sequence. Cross reactivity with MRGPRC from other sources has not been determined.

**Relevant Links:**

- [UniProtKB - Q8R4G1](#)
- [GeneID - 282547](#)
- [NCBI - NP\\_001002286.1](#)
- [GeneID - 404646](#)

## Application Details

**Tested Applications:** IHC, WB

**Application Note:** Anti-MRGPRC is tested for Immunohistochemistry-P and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~37.1 kDa corresponding to the appropriate cell lysate or extract.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**IHC:** 1:100-1:500

**WB:** 0.5µg/mL

## Formulation

**Physical State:** Lyophilized

**Concentration:** 0.5 mg/mL by UV absorbance at 280 nm

**Buffer:** 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>

**Preservative:** 0.05mg Thimerosal

**Stabilizer:** 5mg BSA

**Reconstitution Volume:** 100 µL

**Reconstitution Buffer:** Restore with deionized water (or equivalent)

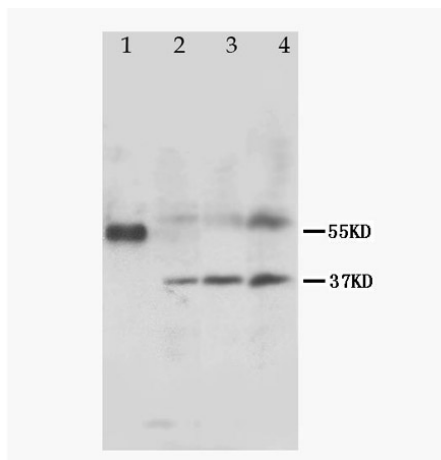
## Shipping & Handling

**Shipping Condition:** Ambient

**Storage Condition:** Store vial at 4° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



### Western Blot

Western blotting of Anti-MRGPRC antibody.

Lane 1: Marker, Lane 2: Rat Heart Tissue Lysate, Lane 3: Rat Skeletal Muscle Tissue Lysate, Lane 4: MCF-7 Cell Lysate.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.