**Product name**: Anti-GPCR MRGX2 antibody

**Description**: Rabbit polyclonal to GPCR MRGX2

**Host species**: Rabbit

**Tested applications**: Suitable for: IHC-P

**Species reactivity**: Reacts with: Human

**Immunogen**: Synthetic peptide, corresponding to a region from the C terminal cytoplasmic domain of Human GPCR MRGX2, conjugated to KLH.

**Positive control**: Human spinal Cord, DRG tissue

**Form**: Liquid

**Storage instructions**: Shipped at 4°C. Store at -80°C.

**Storage buffer**: Preservative: 0.1% Sodium azide
Constituent: 99% PBS

**Purity**: Immunogen affinity purified

**Clonality**: Polyclonal

**Isotype**: IgG

**Applications**

Our Abpromise guarantee covers the use of ab116712 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>IHC-P</td>
<td></td>
<td>Use a concentration of 20 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
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**Target**
### Function
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.

### Tissue specificity
Has a limited expression profile, both peripheral and within the central nervous system, with highest levels in dorsal root ganglion.

### Sequence similarities
Belongs to the G-protein coupled receptor 1 family. Mas subfamily.

### Cellular localization
Cell membrane.

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**Images**

Human spinal cord, DRG (formalin fixed, paraffin embedded tissue) stained with ab116712 at 20 µg/ml, followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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