**Product datasheet**

**Anti-GPCR RDC1/CXCR-7 antibody ab38089**

- **Product name**: Anti-GPCR RDC1/CXCR-7 antibody
- **Description**: Rabbit polyclonal to GPCR RDC1/CXCR-7
- **Host species**: Rabbit
- **Tested applications**: Suitable for: **WB**, **IHC-P**
- **Species reactivity**: Reacts with: Mouse, Human
- **Immunogen**: Synthetic peptide corresponding to Human GPCR RDC1/CXCR-7 aa 1-100 conjugated to keyhole limpet haemocyanin. (Peptide available as ab38088)
- **Positive control**: This antibody gave a positive result with human brain, testis and heart tissue lysates. Human kidney is a suitable positive control for IHC.

**Properties**

- **Form**: Liquid
- **Storage instructions**: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
- **Storage buffer**: Preservative: 0.02% Sodium Azide
  Constituents: 1% BSA, PBS, pH 7.4
- **Purity**: Immunogen affinity purified
- **Clonality**: Polyclonal
- **Isotype**: IgG

**Applications**

Our **Abpromise guarantee** covers the use of **ab38089** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abviews</th>
<th>Notes</th>
</tr>
</thead>
</table>

1
**Function**

Receptor for CXCL12/SDF1. Acts as coreceptor with CXCR4 for a restricted number of HIV isolates.

**Tissue specificity**

Expressed in monocytes, basophils, and B-cells. Lower expression in CD4+ T-lymphocytes and natural killer cells.

**Sequence similarities**

Belongs to the G-protein coupled receptor 1 family.

**Cellular localization**

Cell membrane.

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**Images**

**All lanes**: Anti-GPCR RDC1/CXCR-7 antibody (ab38089) at 1/250 dilution

**Lane 1**: Human Brain Tissue Lysate

**Lane 2**: Human Testis Tissue Lysate

**Lane 3**: Human Liver Tissue Lysate

**Lane 4**: Human Heart Tissue Lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes**: IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Performed under reducing conditions.

**Predicted band size**: 42 kDa

**Observed band size**: 52 kDa

*why is the actual band size different from the predicted?*

GPCR RCD1 is glycosylated so it is not unexpected that it runs...
higher than predicted (based on primary structure) in SDS PAGE.

ab38089 staining pancreas (human and mouse) kidney (mouse and rat) and testis (rat and human) tissue sections by IHC-P. Sections were formaldehyde fixed and subjected to heat mediated antigen retrieval in citrate buffer (pH 6) prior to blocking in sequential (prediluted) peroxidase and protein block for 20 minutes at 20°C. The primary antibody was diluted 1/100 and incubated with the samples for 45 minutes at 20°C. A HRP-conjugated goat anti-rabbit antibody was used as the secondary.

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

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