**Product name**
Anti-Guanylyl Cyclase alpha 1/GUCY1A3 antibody

**Description**
Rabbit polyclonal to Guanylyl Cyclase alpha 1/GUCY1A3

**Host species**
Rabbit

**Tested applications**
Suitable for: WB, IP, IHC-P

**Species reactivity**
Reacts with: Mouse, Rat, Sheep, Cow, Human

**Predicted to work with**: Dog

**Immunogen**
Synthetic peptide corresponding to Rat Guanylyl Cyclase alpha 1/GUCY1A3 aa 673-690 conjugated to keyhole limpet haemocyanin (Glutaraldehyde).

Sequence:
KDAEDGNANFLGKASGVD

**Positive control**
Rat brain cytosolic fraction and trypsin digested, paraffin-embedded human, bovine and mouse heart sections.

**General notes**
This product was previously labelled as Guanylyl Cyclase alpha 1

### Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.</td>
</tr>
<tr>
<td><strong>Storage buffer</strong></td>
<td>pH: 7.40</td>
</tr>
<tr>
<td></td>
<td>Preservative: 0.097% Sodium azide</td>
</tr>
<tr>
<td></td>
<td>Constituent: 0.0268% PBS</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>IgG fraction</td>
</tr>
<tr>
<td><strong>Purification notes</strong></td>
<td>Whole antiserum is fractionated and further purified by anion exchange chromatography to provide the IgG fraction of antiserum which is essentially free of other rabbit serum proteins</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
</tr>
</tbody>
</table>

**Product datasheet**
Applications

Our **Abpromise guarantee** covers the use of **ab50358** 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>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>⭐⭐⭐⭐ 🔴</td>
<td>1/10000. Detects a band of approximately 80 kDa (predicted molecular weight: 83 kDa).</td>
</tr>
<tr>
<td>IP</td>
<td></td>
<td>Use at an assay dependent concentration. 5-10µg for 60-120µg of cytosolic fraction of rat brain.</td>
</tr>
<tr>
<td>IHC-P</td>
<td></td>
<td>1/100.</td>
</tr>
</tbody>
</table>

Target

**Sequence similarities**

Belongs to the adenylyl cyclase class-4/guanylyl cyclase family. Contains 1 guanylate cyclase domain.

**Cellular localization**

Cytoplasm.

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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