Product datasheet

Anti-Somatostatin Receptor 5 antibody ab28618

Overview

Product name: Anti-Somatostatin Receptor 5 antibody
Description: Rabbit polyclonal to Somatostatin Receptor 5
Host species: Rabbit
Specificity: ab28618 recognises Somatostatin Receptor 5.
Tested applications: Suitable for: IHC-P, ICC, WB, ICC/IF
Species reactivity: Reacts with: Human
Immunogen: Synthetic peptide corresponding to Human Somatostatin Receptor 5 aa 344-364.
Sequence: QEATRPAHRAAANGLMQTSKL

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: Preservative: 0.05% Sodium azide
Constituent: Whole serum
Purity: Whole antiserum
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab28618 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>
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<tbody>
<tr>
<td>IHC-P</td>
<td>1/2500</td>
<td></td>
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<tr>
<td>Application</td>
<td>Abreviews</td>
<td>Notes</td>
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<tr>
<td>ICC</td>
<td></td>
<td>1/5000.</td>
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<tr>
<td>WB</td>
<td></td>
<td>1/5000. Detects a band of approximately 54-63 kDa.</td>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>Use a concentration of 5 µg/ml.</td>
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**Target**

**Function**
- Receptor for somatostatin 28 and to a lesser extent for somatostatin-14. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase.

**Tissue specificity**
- Adult pituitary gland, heart, small intestine, adrenal gland, cerebellum and fetal hypothalamus. No expression in fetal or adult kidney, liver, pancreas, uterus, spleen, lung, thyroid or ovary.

**Sequence similarities**
- Belongs to the G-protein coupled receptor 1 family.

**Cellular localization**
- Cell membrane.

**Images**

**Anti-Somatostatin Receptor 5 antibody (ab28618) at 1 µg/ml**
- Brain: pituitary gland (Human) Whole Cell Lysate - adult normal tissue (ab29749) at 10 µg

**Secondary**
- Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (HRP), pre-adsorbed at 1/3000 dilution

- Developed using the ECL technique.

- Performed under reducing conditions.

**Observed band size:** 42 kDa

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

**Additional bands at:** 15 kDa, 20 kDa, 73 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 8 minutes

Somatostatin Receptor 5 contains a number of potential glycosylation sites (SwissProt) which may explain its migration at a higher molecular weight than predicted. Abcam welcomes customer
feedback and would appreciate any comments regarding this product and the data presented above.

Immunocytochemistry/ Immunofluorescence - Anti-Somatostatin Receptor 5 antibody (ab28618)

ICC/IF image of ab28618 stained MCF7 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab28618, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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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