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.

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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.

Target

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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.

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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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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