

Datasheet for ABIN7043767

anti-SSTR5 antibody (Extracellular, N-Term)

3 Images

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Overview

Quantity:	50 µL
Target:	SSTR5
Binding Specificity:	AA 2-15, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SSTR5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CEPLSLASTPSWNAS, corresponding to amino acid residues 2-15 of rat SSTR5
Isotype:	IgG
Characteristics:	Anti-Somatostatin Receptor Type 5 (extracellular) Antibody is directed against an epitope of rat SSTR5. Anti-Somatostatin Receptor Type 5 (extracellular) Antibody (ABIN7043767 and ABIN7045267)), can be used in western blot, immunohistochemistry and live cell imaging applications. It has been designed to recognize SSTR5 in human, mouse and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

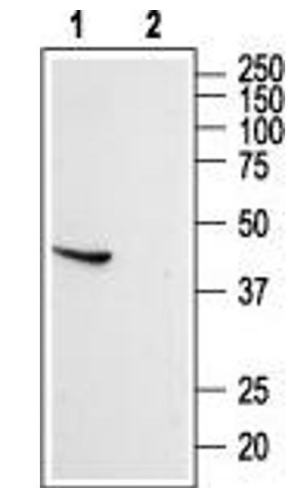
Target:	SSTR5
Alternative Name:	Somatostatin Receptor Type 5 (SSTR5 Products)
Background:	Alternative names: Somatostatin Receptor Type 5, SSTR5, SS5R, Smstr5, SST5
Gene ID:	25354
NCBI Accession:	NM_001053
UniProt:	P30938
Pathways:	Carbohydrate Homeostasis

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

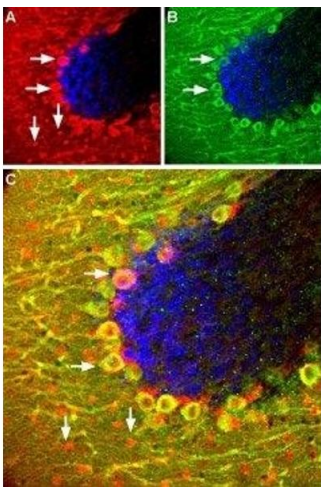
Handling

Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

Image 1. Western blot analysis of rat brain lysate: - 1. Anti-Somatostatin Receptor Type 5 (extracellular) Antibody (ABIN7043767 and ABIN7045267), (1:200). 2. Anti-Somatostatin Receptor Type 5 (extracellular) Antibody, preincubated with Somatostatin Receptor Type 5 (extracellular) Blocking Peptide (#BLP-SR005).



Immunohistochemistry

Image 2. Expression of SSTR5 in mouse cerebellum - Immunohistochemical staining of Somatostatin receptor 5 (SSTR5) in mouse cerebellum using Anti-Somatostatin Receptor Type 5 (extracellular) Antibody (ABIN7043767 and ABIN7045267). A. SSTR5 (red) appears in Purkinje cells (horizontal arrows) and in molecular layer interneurons (vertical arrows). B. Parvalbumin (green) appears in the Purkinje cells and their processes. C. merge of SSTR5 and parvalbumin demonstrates co-localization in Purkinje cells (horizontal arrows) but not in the molecular layer (vertical cells). DAPI is used as the counterstain (blue).

Immunocytochemistry

Image 3. Expression of SSTR5 in human HT-29 cells - Cell surface detection of SSTR5 in intact living human colorectal adenocarcinoma (HT-29) cells. A. Extracellular staining of cells with Anti-Somatostatin Receptor Type 5 (extracellular) Antibody (ABIN7043767 and ABIN7045267), (1:50), (red). B. Merged image of A with live view of cells.

