

Datasheet for ABIN7043766  
**anti-SSTR4 antibody (2nd Extracellular Loop)**

## 3 Images

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## Overview

Quantity:	50 µL
Target:	SSTR4
Binding Specificity:	2nd Extracellular Loop, AA 182-194
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: DTRPARGGEAVAC, corresponding to amino acid residues 182-194 of rat SSTR4
Isotype:	IgG
Characteristics:	Anti-Somatostatin Receptor Type 4 (extracellular) Antibody (ABIN7043766, ABIN7045265 and ABIN7045266)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize SSTR4 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

Target:	SSTR4
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## Target Details

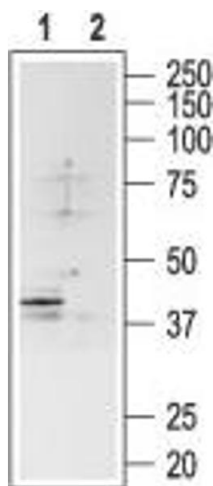
Alternative Name:	Somatostatin Receptor Type 4 ( <a href="#">SSTR4 Products</a> )
Background:	Alternative names: Somatostatin Receptor Type 4, SSTR4, SS4R, Smstr4
Gene ID:	25555
NCBI Accession:	<a href="#">NM_001052</a>
UniProt:	<a href="#">P30937</a>
Pathways:	<a href="#">cAMP Metabolic Process</a>

## Application Details

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

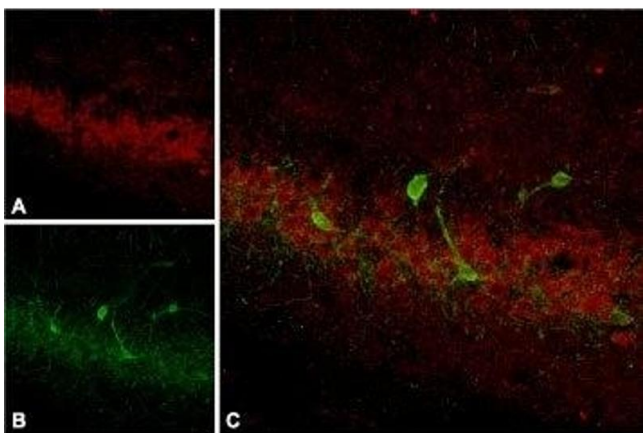
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 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>



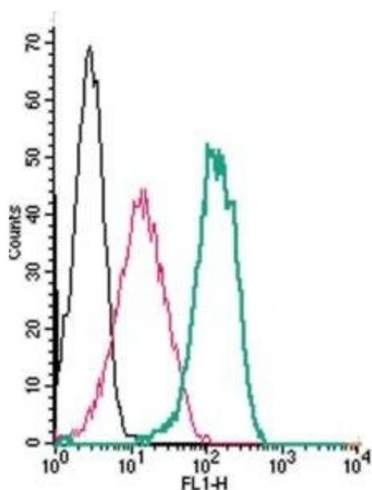
### Western Blotting

**Image 1.** Western blot analysis of rat brain lysate: - 1. Anti-Somatostatin Receptor Type 4 (extracellular) Antibody, (ABIN7043766, ABIN7045265 and ABIN7045266), (1:200). 2. Anti-Somatostatin Receptor Type 4 (extracellular) Antibody, preincubated with Somatostatin Receptor Type 4 (extracellular) Blocking Peptide (#BLP-SR004).



### Immunohistochemistry

**Image 2.** Expression of SSTR4 in rat hippocampus - Immunohistochemical staining of rat hippocampus using Anti-Somatostatin Receptor Type 4 (extracellular) Antibody, (ABIN7043766, ABIN7045265 and ABIN7045266). A. SSTR4 appears in the pyramidal layer (red). B. Staining of interneurons with mouse anti-parvalbumin (PV, green). C. Confocal merge of SSTR4 and PV demonstrates separate localization in hippocampus.



### Flow Cytometry

**Image 3.** Cell surface detection of SSTR4 by indirect flow cytometry in live intact human THP-1 monocytic leukemia cells: (black line) Cells. (red line) Cells + goat-anti-rabbit-FITC (green line) Cells + Anti-Somatostatin Receptor Type 4 (extracellular) Antibody (ABIN7043766, ABIN7045265 and ABIN7045266), (2.5 µg) + goat-anti-rabbit-FITC