



## Product datasheet

# Anti-Somatostatin Receptor 3/SSTR3 antibody [7H8E5] ab201952

[4 Images](#)

### Overview

<b>Product name</b>	Anti-Somatostatin Receptor 3/SSTR3 antibody [7H8E5]
<b>Description</b>	Mouse monoclonal [7H8E5] to Somatostatin Receptor 3/SSTR3
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human Somatostatin Receptor 3/SSTR3 aa 1-100. Recombinant fragment corresponding to extracellular domain of human Somatostatin Receptor 3/SSTR3 expressed in E coli Database link: <a href="#">P32745</a>
	 <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human Somatostatin Receptor 3/SSTR3 (AA: 1-43) recombinant protein; Human Somatostatin Receptor 3/SSTR3 (AA: 1-43) transfected HEK293 cell lysate; HeLa; PANC1; PC-12; SK N SH; U937 and HepG2 whole cell lysate ( <a href="#">ab7900</a> ). HeLa cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purified from tissue culture supernatant.

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	7H8E5
<b>Isotype</b>	IgG1

## Applications

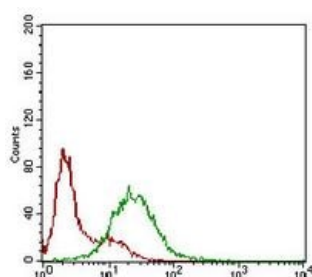
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab201952 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		1/500 - 1/2000. Predicted molecular weight: 46 kDa.
<b>Flow Cyt</b>		1/200 - 1/400. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## Target

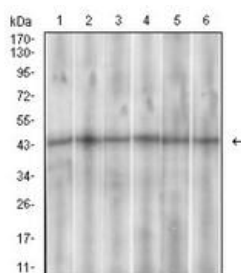
<b>Function</b>	Receptor for somatostatins-14 and -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase.
<b>Tissue specificity</b>	Brain, pituitary and pancreas.
<b>Sequence similarities</b>	Belongs to the G-protein coupled receptor 1 family.
<b>Post-translational modifications</b>	Phosphorylated. Phosphorylation increases upon somatostatin binding.
<b>Cellular localization</b>	Cell membrane. Internalized into endoplasmic vesicles upon somatostatin-stimulation.

## Images



Flow Cytometry - Anti-Somatostatin Receptor  
3/SSTR3 antibody [7H8E5] (ab201952)

Flow cytometric analysis of HeLa cells labeling Somatostatin Receptor 3 using ab 201952 at 1/200 dilution (green) and negative control (red).



Western blot - Anti-Somatostatin Receptor 3/SSTR3 antibody [7H8E5] (ab201952)

**All lanes :** Anti-Somatostatin Receptor 3/SSTR3 antibody [7H8E5] (ab201952) at 1/500 dilution

**Lane 1 :** HeLa cell lysate

**Lane 2 :** PANC1 cell lysate

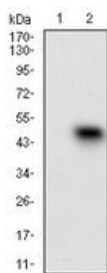
**Lane 3 :** PC 12 cell lysate

**Lane 4 :** SK N SH cell lysate

**Lane 5 :** U937 cell lysate

**Lane 6 :** HepG2 cell lysate

**Predicted band size:** 46 kDa



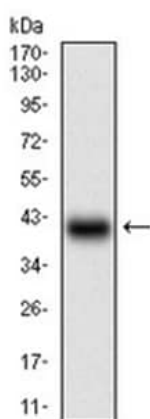
Western blot - Anti-Somatostatin Receptor 3/SSTR3 antibody [7H8E5] (ab201952)

**All lanes :** Anti-Somatostatin Receptor 3/SSTR3 antibody [7H8E5] (ab201952) at 1/500 dilution

**Lane 1 :** HEK293 cell lysate

**Lane 2 :** Human Somatostatin Receptor 3/SSTR3 (AA: 1-43) recombinant protein transfected HEK293 cell lysate

**Predicted band size:** 46 kDa



Western blot - Anti-Somatostatin Receptor 3/SSTR3 antibody [7H8E5] (ab201952)

Anti-Somatostatin Receptor 3/SSTR3 antibody [7H8E5] (ab201952) at 1/500 dilution + Human Somatostatin Receptor 3/SSTR3 (AA: 1-43) recombinant protein

**Predicted band size:** 46 kDa

Expected MW is 30.2 kD

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