

Anti-Somatostatin Receptor 1/SSTR1 antibody [UMB7] ab137083

Recombinant RabMAb

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Overview

Product name	Anti-Somatostatin Receptor 1/SSTR1 antibody [UMB7]
Description	Rabbit monoclonal [UMB7] to Somatostatin Receptor 1/SSTR1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Somatostatin Receptor 1/SSTR1 aa 350-450. The exact sequence is proprietary.
Positive control	Human fetal lung and Human small intestine lysates; 2936E cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 0.31% Sodium citrate, 0.175% Sodium chloride, 0.0172% EDTA, 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA

Purity	Protein A purified
Clonality	Monoclonal
Clone number	UMB7
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab137083 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
WB		1/500. Predicted molecular weight: 43 kDa.
ICC/IF		1/250 - 1/500.

Application notes Is unsuitable for IHC-P or IP.

Target

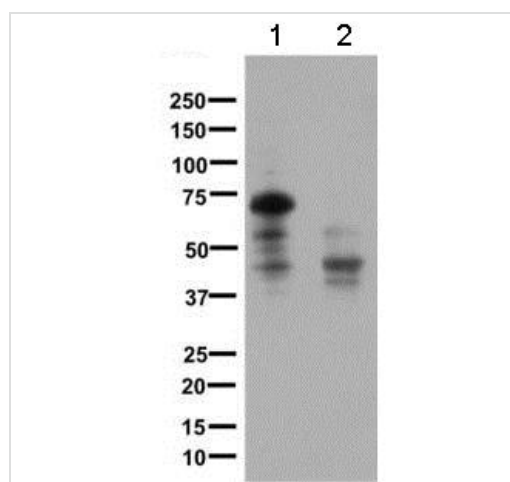
Function Receptor for somatostatin with higher affinity for somatostatin-14 than -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and Na(+)/H(+) exchanger via pertussis toxin insensitive G proteins.

Tissue specificity Fetal kidney, fetal liver, and adult pancreas, brain, lung, jejunum and stomach.

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

Cellular localization Cell membrane.

Images



Western blot - Anti-Somatostatin Receptor 1/SSTR1 antibody [UMB7] (ab137083)

All lanes : Anti-Somatostatin Receptor 1/SSTR1 antibody [UMB7] (ab137083) at 1/500 dilution

Lane 1 : Human fetal lung lysates

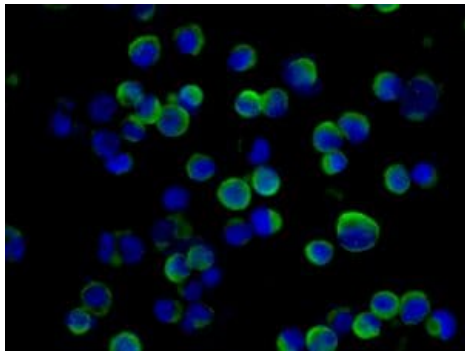
Lane 2 : Human small intestine lysates

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : goat anti-rabbit HRP at 1/2000 dilution

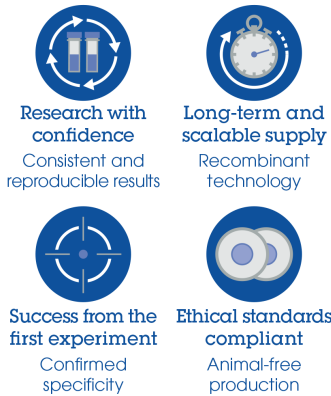
Predicted band size: 43 kDa



Immunofluorescent analysis of 2936E cells labelling Somatostatin Receptor 1/SSTR1 with ab137083 at 1/250 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-Somatostatin Receptor 1/SSTR1 antibody [UMB7] (ab137083)

Why choose a recombinant antibody?



Anti-Somatostatin Receptor 1/SSTR1 antibody [UMB7] (ab137083)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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