

Anti-Somatostatin Receptor 1 antibody ab2366

★★★★★ 1 Abreviews 3 References 3 图像

概述

产品名称	Anti-Somatostatin Receptor 1 抗体
描述	兔多克隆抗体 to Somatostatin Receptor 1
宿主	Rabbit
特异性	This antibody reacts with a 60 kD protein, known as Somatostatin Receptor 1.
经测试应用	适用于: IHC-P, IHC-Fr, WB, ICC
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide (Rat) A synthetic peptide derived from the C-terminus of rat somatostatin receptor 1
阳性对照	Pancreas
常规说明	<p>The Somatostatin family of receptors have five members, sst1-sst5, as well as two isoforms of Somatostatin receptor 2, sst2A and sst2B. They are coupled to G protein and are involved in regulation of numerous processes including secretion of insulin, glucagons and growth hormone and excitation of neurons in central and peripheral nervous system.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituent: 1% BSA
纯度	Protein A purified
Primary antibody说明	The Somatostatin family of receptors have five members, sst1-sst5, as well as two isoforms of Somatostatin receptor 2, sst2A and sst2B. They are coupled to G protein and are involved in regulation of numerous processes including secretion of insulin, glucagons and growth hormone and excitation of neurons in central and peripheral nervous system.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab2366** in the following tested applications.

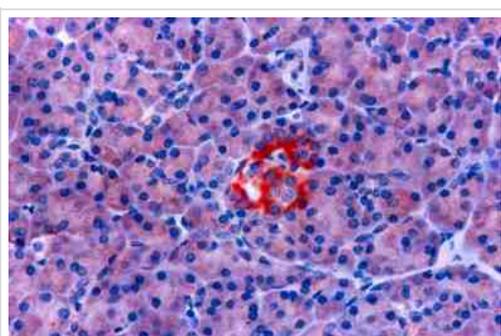
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-P	★★★★☆	1/50 - 1/75. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
IHC-Fr		1/50 - 1/75.
WB		Use at an assay dependent concentration. Detects a band of approximately 50 kDa (predicted molecular weight: 43 kDa).
ICC		Use at an assay dependent concentration.

靶标

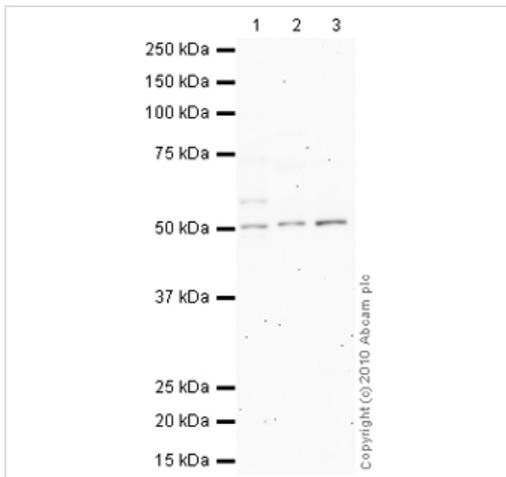
功能	Receptor for somatostatin with higher affinity for somatostatin-14 than -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and Na(+)/H(+) exchanger via pertussis toxin insensitive G proteins.
组织特异性	Fetal kidney, fetal liver, and adult pancreas, brain, lung, jejunum and stomach.
序列相似性	Belongs to the G-protein coupled receptor 1 family.
细胞定位	Cell membrane.

图片



Formalin fixed paraffin embedded human pancreas stained with Somatostatin Receptor using ABC and AEC chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Somatostatin Receptor 1 antibody (ab2366)



Western blot - Anti-Somatostatin Receptor 1 antibody (ab2366)

All lanes : Anti-Somatostatin Receptor 1 antibody (ab2366) at 1 $\mu\text{g/ml}$

Lane 1 : PANC-1 nuclear extract lysate (ab14882)

Lane 2 : Human stomach tumor tissue lysate (adenocarcinoma) - total protein (ab29678)

Lane 3 : Human small intestine tissue lysate - total protein (ab29276)

Lysates/proteins at 10 μg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 43 kDa

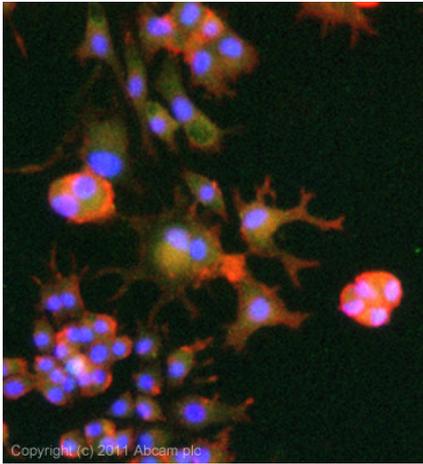
Observed band size: 50 kDa

[why is the actual band size different from the predicted?](#)

Additional bands at: 58 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 12 minutes

Somatostatin Receptor 1 contains a number of potential glycosylation sites (SwissProt) which may explain its migration at a higher molecular weight than predicted.



ICC/IF image of ab2366 stained PC12 cells. The cells were 4% formaldehyde fixed (10 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 (ab2366, 1µg/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.

Immunocytochemistry/ Immunofluorescence - Anti-Somatostatin Receptor 1 antibody (ab2366)

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