

Anti-Somatostatin Receptor 5 antibody [UMB4] ab109495

重组 RabMAb

41 References 4 图像

概述

产品名称	Anti-Somatostatin Receptor 5抗体[UMB4]
描述	兔单克隆抗体[UMB4] to Somatostatin Receptor 5
宿主	Rabbit
特异性	Internal WB test in PANC-1, human pancreas and human brain lysates indicates this antibody might not detect endogenous Somatostatin Receptor 5.
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt or ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HT29 whole cell lysate (ab3952), 293T (Human embryonic kidney epithelial cell) transfected with human SSTR5 expression vector, IHC-P: Human pancreas
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号 UMB4

同种型 IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab109495 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000 - 1/10000. Predicted molecular weight: 39 kDa. Internal WB test in PANC-1, human pancreas and human brain lysates indicates this antibody might not detect endogenous Somatostatin Receptor 5.
IHC-P		1/50. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. For unpurified use at 1/100-1/250 See IHC antigen retrieval protocols .

应用说明 Is unsuitable for Flow Cyt or ICC/IF.

靶标

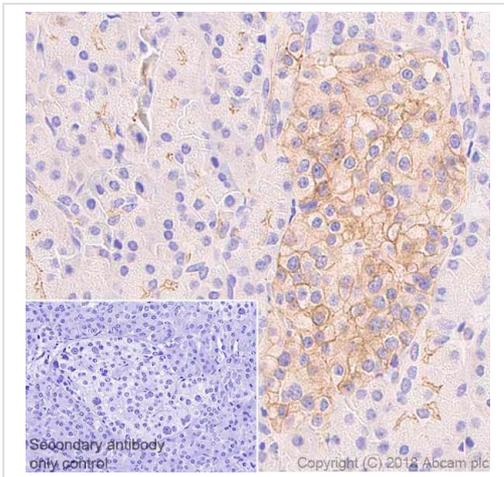
功能 Receptor for somatostatin 28 and to a lesser extent for somatostatin-14. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase.

组织特异性 Adult pituitary gland, heart, small intestine, adrenal gland, cerebellum and fetal hypothalamus. No expression in fetal or adult kidney, liver, pancreas, uterus, spleen, lung, thyroid or ovary.

序列相似性 Belongs to the G-protein coupled receptor 1 family.

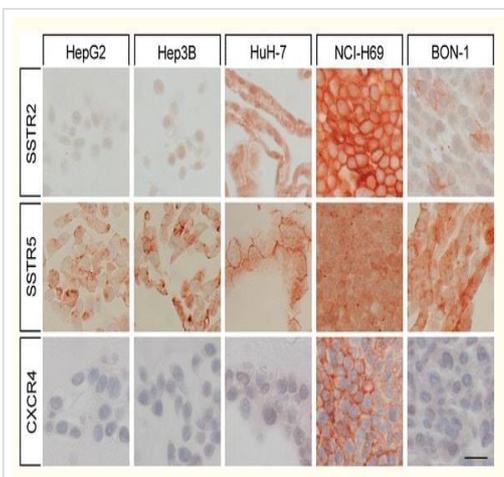
细胞定位 Cell membrane.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Somatostatin Receptor 5 antibody [UMB4] (ab109495)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human pancreas tissue sections labeling Somatostatin Receptor 5 with Purified ab109495 at 1:50 dilution (16.3 µg/ml). Heat mediated antigen retrieval was performed with Tris/EDTA buffer (pH 9.0, epitope retrieval solution 2) for 10mins.. Performed on a Leica Biosystems BOND ® RX instrument.was used as the secondary antibody.Negative control:PBS instead of the primary antibody.Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Somatostatin Receptor 5 antibody [UMB4] (ab109495)

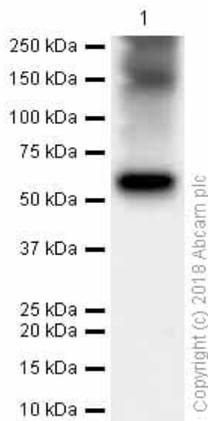
Kaemmerer, D. et al *BMC Cancer*. 2017 Dec 28;17(1):896. doi: 10.1186/s12885-017-3911-3
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Somatostatin receptor 2 (SSTR2), somatostatin receptor 5 (SSTR5) and CXCR4 expression in the hepatoblastoma cell line HepG2 and in the hepatoma cell lines Hep3B and HuH-7 in comparison to the small cell lung cancer cell line NCI-H69 and the neuroendocrine tumor cell line BON-1. Immunohistochemistry (red-brown color), counterstaining with hematoxylin; scale bar: 20 µm. Representative photomicrographs of three independent batches are shown.

HepG2, Hep3B, HuH-7, NCI-H-69, and BON-1 cells (DSMZ, Braunschweig, Germany) were grown in 75 cm² culture flasks to a confluency of 80%. Cells were washed once with phosphate-buffered saline and transferred into 10% buffered formalin (J.T.Baker, Deventer, The Netherlands) for 2 h. After centrifugation for 10 min at 3500 x g, the supernatant was removed, and 1 ml human pool plasma was added to the cell samples. After brief vortexing, 100 µl human fibrinogen (50–70% protein; ≥80% clottable) was added to each sample, and the samples were vortexed again. The resulting clots were placed for another 24 h in 10% buffered formalin and embedded in paraffin blocks.

(After Kaemmerer, D. et al *BMC Cancer*. 2017 Dec 28;17(1):896. doi: 10.1186/s12885-017-3911-3).

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Western blot - Anti-Somatostatin Receptor 5 antibody [UMB4] (ab109495)

Anti-Somatostatin Receptor 5 antibody [UMB4] (ab109495) at 0.08 µg/ml (purified) + 293T (Human embryonic kidney epithelial cell) transfected with human SSTR5 expression vector, whole cell lysate at 15 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 39 kDa

Blocking and diluting buffer: 5% NFDm/TBST

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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