

Anti-Somatostatin Receptor 5 antibody [UMB4] ab109495

リコンビナント **RabMAb**

41 References **画像数 4**

製品の概要

製品名	Anti-Somatostatin Receptor 5 antibody [UMB4]
製品の詳細	Rabbit monoclonal [UMB4] to Somatostatin Receptor 5
由来種	Rabbit
特異性	Internal WB test in PANC-1, human pancreas and human brain lysates indicates this antibody might not detect endogenous Somatostatin Receptor 5.
アプリケーション	適用あり: WB, IHC-P 適用なし: Flow Cyt or ICC/IF
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HT29 whole cell lysate (ab3952), 293T (Human embryonic kidney epithelial cell) transfected with human SSTR5 expression vector, IHC-P: Human pancreas
特記事項	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 .

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	UMB4
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab109495の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

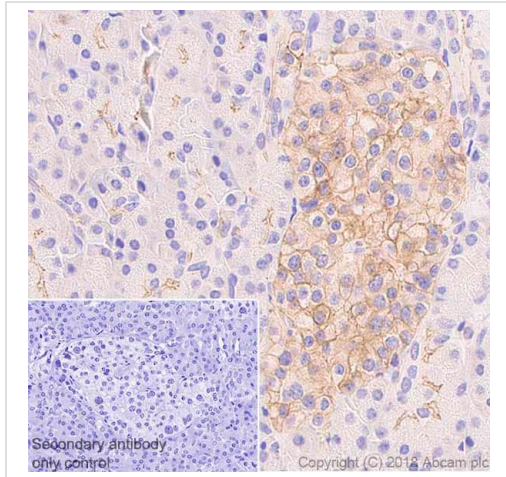
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Predicted molecular weight: 39 kDa. Internal WB test in PANC-1, human pancreas and human brain lysates indicates this antibody might not detect endogenous Somatostatin Receptor 5.
IHC-P		1/50. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. For unpurified use at 1/100-1/250 See <u>IHC antigen retrieval protocols.</u>

追加情報 Is unsuitable for Flow Cyt or ICC/IF.

ターゲット情報

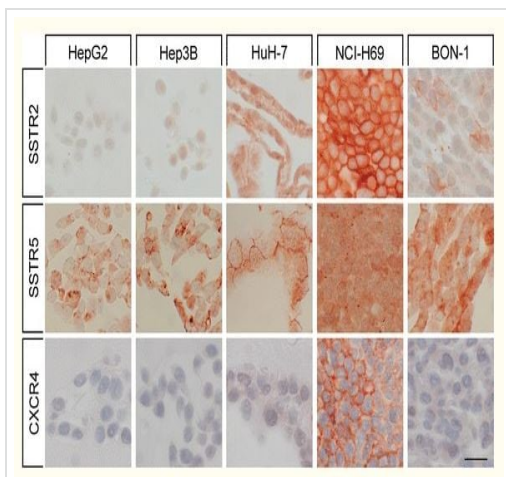
機能	Receptor for somatostatin 28 and to a lesser extent for somatostatin-14. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase.
組織特異性	Adult pituitary gland, heart, small intestine, adrenal gland, cerebellum and fetal hypothalamus. No expression in fetal or adult kidney, liver, pancreas, uterus, spleen, lung, thyroid or ovary.
配列類似性	Belongs to the G-protein coupled receptor 1 family.
細胞内局在	Cell membrane.

画像



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)

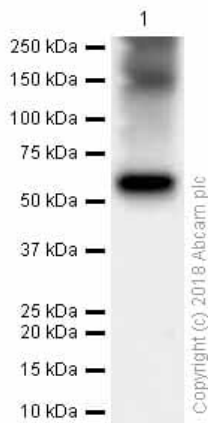
Kaemmerer, D. et al BMC Cancer. 2017 Dec 28;17(1):896. doi: 10.1186/s12885-017-3911-3
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Somatostatin receptor 2 (SSTR2), somatostatin receptor 5 (SSTR5) and CXCR4 expression in the hepatoblastoma cell line HepG2 and in the hepatoma cell lines Hep3B and 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

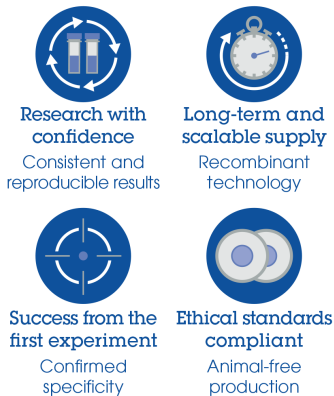
Secondary

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?



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

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

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