

Datasheet for ABIN738216
anti-SSTR2 antibody (AA 211-320)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	SSTR2
Binding Specificity:	AA 211-320
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SSTR2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SSTR2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Horse,Chicken,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	SSTR2
Alternative Name:	SSTR2/Somatostatin Receptor 2 (SSTR2 Products)
Background:	Synonyms: Somatostatin receptor type 2, SS-2-R, SS2-R, SS2R, SRIF-1, SSTR2

Target Details

Background: Receptor for somatostatin-14 and -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and PLC via pertussis toxin insensitive as well as sensitive G proteins. Inhibits calcium entry by suppressing voltage-dependent calcium channels. Acts as the functionally dominant somatostatin receptor in pancreatic alpha- and beta-cells where it mediates the inhibitory effect of somatostatin-14 on hormone secretion. Inhibits cell growth through enhancement of MAPK1 and MAPK2 phosphorylation and subsequent up-regulation of CDKN1B. Stimulates neuronal migration and axon outgrowth and may participate in neuron development and maturation during brain development. Mediates negative regulation of insulin receptor signaling through PTPN6. Inactivates SSTR3 receptor function following heterodimerization.

Gene ID: 6752

UniProt: [P30874](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

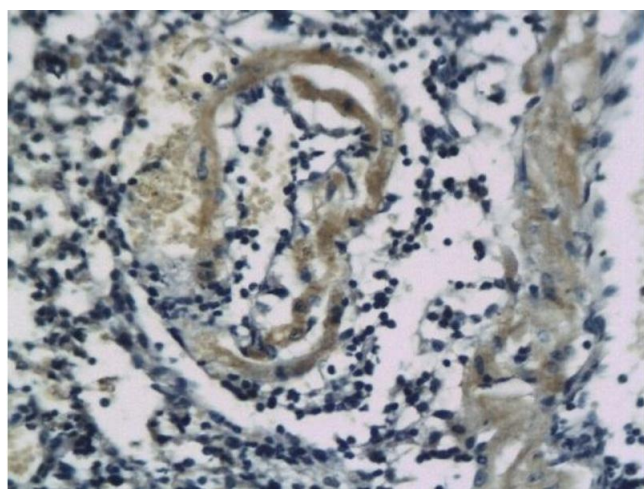
Expiry Date: 12 months

Publications

Product cited in: Sakai, Yonezawa, Yamawaki, Oyamada: "Alteration of somatostatin receptor 2 expression in canine mammary gland tumor." in: **The Journal of veterinary medical science / the Japanese Society of Veterinary Science**, (2015) ([PubMed](#)).

Ruan, Yu, Xu, Zhang, Long, Shen: "Attenuation of stress-induced gastrointestinal motility disorder by gentiopicroside, from *Gentiana macrophylla* Pall." in: **Fitoterapia**, Vol. 103, pp. 265-76, (2015) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse lung tissue labeled with Anti-SSTR2 Polyclonal Antibody, Unconjugated (ABIN738216) followed by conjugation to the secondary antibody and DAB staining