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# Datasheet for ABIN3043098 anti-SSTR1 antibody (C-Term)

2 Images

1 Publication



## Overview

Quantity:	100 µg
Target:	SSTR1
Binding Specificity:	AA 361-381, C-Term
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SSTR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Somatostatin receptor type 1(SSTR1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Somatostatin Receptor 1(361-381aa RAYSVEDFQPENLESGGVFRN), identical to the related rat and mouse sequences.
Sequence:	RAYSVEDFQP ENLESGGVFR N
Isotype:	lgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: human, mouse No cross reactivity with other proteins.

similarities.

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Product Details	
Characteristics:	Rabbit IgG polyclonal antibody for Somatostatin receptor type 1(SSTR1) detection. Tested with
	WB, IHC-P in Human,Mouse,Rat.
	Gene Name: somatostatin receptor 1
	Protein Name: Somatostatin receptor type 1(SS-1-R/SS1-R/SS1R)
Purification:	Immunogen affinity purified.
Target Details	
Target:	SSTR1
Alternative Name:	SSTR1 (SSTR1 Products)
Background:	SSTR1(Somatostatin receptor type 1) is a protein that in humans is encoded by the SSTR1
	gene. The SSTR1 gene is mapped to chromosome 14. Somatostatin acts at many sites to
	inhibit the release of many hormones and other secretory proteins. The biological effects of
	somatostatin are probably mediated by a family of G protein-coupled receptors that are
	expressed in a tissue-specific manner. The encoded protein is a member of the superfamily of
	somatostatin receptors having seven transmembrane segments, and is expressed in highest
	levels in jejunum and stomach.
	Synonyms: G-protein coupled receptor antibody Somatostatin R1 antibody Somatostatin
	receptor 1 antibody Somatostatin receptor isoform 1 antibody Somatostatin receptor type 1
	antibody SRIF 2 antibody SRIF-2 antibody SRIF2 antibody SS-1-R antibody SS1 R antibody SS1-
	R antibody SS1R antibody SSR1_HUMAN antibody SSTR 1 antibody SSTR1 antibody
UniProt:	P30872
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Rat, Predicted Species: Human, Mouse
	IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Rat, Predicted Species: Human, Mouse,
	Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for
	20 mins is required for the staining of formalin/paraffin sections.
	Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be
	fit for the product based on sequence similarities. Other applications have not been tested.
	Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

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## Application Details

#### Restrictions:

For Research Use only

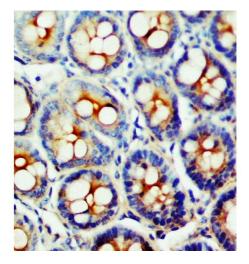
# Handling

Sodium azide.         Preservative:       Thimerosal (Merthiolate), Sodium azide         Precaution of Use:       This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.         Handling Advice:       Avoid repeated freezing and thawing.         Storage:       4 °C/-20 °C         Storage Comment:       At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated from and thawing.         Expiry Date:       12 months         Publications       Zhang, Yan, Xu, Fang, Zhang, Zhang, Wu, Kong, Huang: "The recovery trajectory of adole social defeat stress-induced behavioral, (1)H-MRS metabolites and myelin changes in B mice." in: Scientific reports, Vol. 6, pp. 27906, (2018) (PubMed).         Sun, Hu, Xiong, Tu, Zhao, Chen, Song, Ye: "Enhanced expression of stem cell markers ar resistance in sphere-forming non-small cell lung cancer cells." in: International journal o clinical and experimental pathology, Vol. 8, Issue 6, pp. 6287-300, (2016) (PubMed).         Yang, Gao, Zhang, Fang, Wu, Xu, Huang: "Changes in proinflammatory cytokines and w/r matter in chronically stressed rats." in: Neuropsychiatric disease and treatment, Vol. 1	9	
Concentration:       500 µg/mL         Buffer:       Each vial contains 5 mg BSA, 0.9 mg NaOl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 Sodium azide.         Preservative:       Thimerosal (Merthiolate), Sodium azide         Precaution of Use:       This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.         Handling Advice:       Avoid repeated freezing and thawing.         Storage:       4 °C/-20 °C         Storage Comment:       At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freating and thawing.         Explry Date:       12 months         Publications       Zhang, Yan, Xu, Fang, Zhang, Zhang, Wu, Kong, Huang: "The recovery trajectory of adole social defeat stress-induced behavioral. (1)H-MRS metabolites and myelin changes in B mice." In: Scientific reports, Vol. 6, pp. 27906, (2018) (PubMed).         Sun, Hu, Xiong, Tu, Zhao, Chen, Song, Ye: "Enhanced expression of stem cell markers ar resistance in sphere-forming non-small cell lung cancer cells." in: International journal o clinical and experimental pathology, Vol. 8, Issue 6, pp. 6287-300, (2016) (PubMed).         Yang, Gao, Zhang, Fang, Wu, Xu, Huang: "Changes in proinflammatory cytokines and writer in chronically stressed rats." in: Neuropsychiatric disease and treatment, Vol. 7	Format:	Lyophilized
Buffer:       Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 Sodium azide.         Preservative:       Thimerosal (Merthiolate), Sodium azide         Precaution of Use:       This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.         Handling Advice:       Avoid repeated freezing and thawing.         Storage:       4 °C/-20 °C         Storage Comment:       At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freating and thawing.         Explry Date:       12 months         Publications       Zhang, Yan, Xu, Fang, Zhang, Zhang, Wu, Kong, Huang: "The recovery trajectory of adole social defeat stress-induced behavioral, (1)H-MRS metabolites and myelin changes in B mice." in: Scientific reports, Vol. 6, pp. 27906, (2018) (PubMed).         Sun, Hu, Xiong, Tu, Zhao, Chen, Song, Ye: "Enhanced expression of stem cell markers ar resistance in sphere-forming non-small cell lung cancer cells." in: International journal o clinical and experimental pathology, Vol. 8, Issue 6, pp. 6287-300, (2016) (PubMed).         Yang, Gao, Zhang, Fang, Wu, Xu, Huang: "Changes in proinflammatory cytokines and w/ matter in chronically stressed rats." in: Neuropsychiatric disease and treatment, Vol. 1	Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu$ g/mL.
Sodium azide.         Preservative:       Thimerosal (Merthiolate), Sodium azide         Precaution of Use:       This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.         Handling Advice:       Avoid repeated freezing and thawing.         Storage:       4 "C/-20 "C         Storage Comment:       At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated fro and thawing.         Expiry Date:       12 months         Publications       Product cited in:         Zhang, Yan, Xu, Fang, Zhang, Zhang, Wu, Kong, Huang: "The recovery trajectory of adole social defeat stress-induced behavioral, (1)H-MRS metabolites and myelin changes in B mice." in: Scientific reports, Vol. 6, pp. 27906, (2018) (PubMed).         Sun, Hu, Xiong, Tu, Zhao, Chen, Song, Ye: "Enhanced expression of stem cell markers ar resistance in sphere-forming non-small cell lung cancer cells." in: International journal o clinical and experimental pathology, Vol. 8, Issue 6, pp. 6287-300, (2016) (PubMed).         Yang, Gao, Zhang, Fang, Wu, Xu, Huang: "Changes in proinflammatory cytokines and wf matter in chronically stressed rats." in: Neuropsychiatric disease and treatment, Vol. 1	Concentration:	500 µg/mL
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matter in chronically stressed rats." in: <b>Neuropsychiatric disease and treatment</b> , Vol. 1		Sun, Hu, Xiong, Tu, Zhao, Chen, Song, Ye: "Enhanced expression of stem cell markers and drug resistance in sphere-forming non-small cell lung cancer cells." in: <b>International journal of clinical and experimental pathology</b> , Vol. 8, Issue 6, pp. 6287-300, (2016) (PubMed).
		Yang, Gao, Zhang, Fang, Wu, Xu, Huang: "Changes in proinflammatory cytokines and white matter in chronically stressed rats." in: <b>Neuropsychiatric disease and treatment</b> , Vol. 11, pp. 597-607, (2015) (PubMed).

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35KD -	
25KD -	

# 15KD -



## Western Blotting

**Image 1.** Anti-SSTR1 antibody, Western blotting All lanes: Anti SSTR1 at 0.5ug/ml WB: Rat Intestine Tissue Lysate at 50ug Predicted bind size: 43KD Observed bind size: 60KD

## Immunohistochemistry

**Image 2.** Anti-SSTR1 antibody, IHC(P) IHC(P): Rat Intestine Tissue

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