antibodies.com

Datasheet for ABIN1049356 anti-SSTR1 antibody (C-Term)

Image



Overview

Quantity:	50 µg	
Target:	SSTR1	
Binding Specificity:	C-Term	
Reactivity:	Human, Mouse, Rat, Monkey, Cow, Dog, Rabbit, Goat, Horse, Sheep, Pig, Bat, Hamster	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	

Product Details

Brand:	IHC-plus™	
Immunogen:	Synthetic 15 amino acid peptide from C-terminus of human SSTR1. Percent identity with other species by BLAST analysis: Human, Monkey, Mouse, Rat, Sheep, Bovine, Bat, Dog, Goat, Hamster, Elephant, Panda, Horse, Rabbit, Pig (100%), Turkey, Chicken (87%), Zebrafish (80%).	
	Type of Immunogen: Synthetic peptide	
Specificity:	Human SSTR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.	
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Monkey, Mouse, Rat, Sheep, Bovine, Bat, Dog, Goat, Hamster, Elephant, Panda, Horse, Rabbit, Pig (100%) Turkey, Chicken (87%) Zebrafish (80%).	
Purification:	Immunoaffinity purified	

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Target Details

Target:	SSTR1		
Alternative Name:	SSTR1 (SSTR1 Products)		
Background:	Name/Gene ID: SSTR1		
	Subfamily: Somatostatin		
	Family: GPCR		
	Synonyms: SSTR1, Somatostatin receptor type 1, SS1-R, SS1R, Somatostatin receptor 1, SRIF-		
	2, Sst1 receptor, SS-1-R, Sst1		
Gene ID:	6751		
Application Details			
Application Notes:	Approved: IHC, IHC-P (10 µg/mL)		
Comment:	Target Species of Antibody: Human		
Assay Procedure:	The IHC-pro Immunohistochemistry Protocol		
	Tissue Preparation		
	Formalin fixation and embedding in paraffin wax		
	Tissue Sectioning		
	Make 4-µm sections and place on pre-cleaned and charged microscope slides.		
	Heat in a tissue-drying oven for 45 minutes at 60°C		
	Deparaffinization		
	Wash slides in 3 changes of xylene – 5 minutes each at room temperature.		
	Rehydration		
	Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.		
	Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.		
	Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.		
	Rinse slides in gentle running distilled water – 5 minutes at room temperature.		
	Antigen retrieval		

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes

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Immunostaining

Do not allow tissues to dry at any time during the staining procedure. Apply a universal protein block – 20 minutes at room temperature. Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature. Rinse slides in 1X TBST - 1 minute at room temperature. Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature. Rinse slides 1X TBST – 1 minute at room temperature. Apply alkaline phosphatase streptavidin – 30 minutes at room temperature. Rinse slides in 1X TBST - 1 minute at room temperature. Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature. Wash slides in distilled water – 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble. Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature. Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature. Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature. Wash slides in 3 changes of xylene – 1 minute each at room temperature. Apply coverslip

Restrictions:

For Research Use only

Handling

Format:	Liquid	
Concentration:	Lot specific	
Buffer:	PBS, less than 0.1 % sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	

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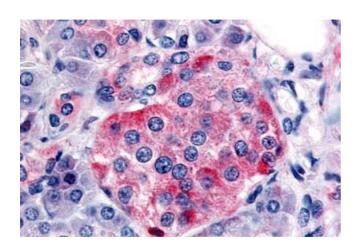
Storage Comment:

Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

Expiry Date:

12 months

Images



Immunohistochemistry

Image 1. Anti-SSTR1 antibody ABIN1049356 IHC staining of human pancreas, islet. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.