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Datasheet for ABIN1049098 anti-TACR1 antibody (C-Term)

3 Images



Overview

Quantity:	50 µg
Target:	TACR1
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Guinea Pig, Monkey, Horse, Rabbit, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 18 amino acid peptide from C-terminus of human Neurokinin 1 Receptor. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Rat, Hamster, Panda, Horse, Rabbit, Guinea pig (100%), Mouse, Dog, Elephant (94%), Marmoset, Bat, Bovine (89%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human Neurokinin 1 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except DTNB (44 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Rat, Hamster, Panda, Horse, Rabbit, Guinea pig (100%) Mouse, Dog, Elephant (94%) Marmoset, Bat Bovine (89%).

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Product Details

Purification:

Immunoaffinity purified

Target Details

Target:	TACR1
Alternative Name:	TACR1 / NK1R (TACR1 Products)
Background:	Name/Gene ID: TACR1
	Subfamily: Tachykinin
	Family: GPCR
	Synonyms: TACR1, Neurokinin receptor 1, NK-1R, Nk1 tachykinin receptor, NK1R, TAC1R,
	Tachykinin 1 receptor, NKIR, Substance-P receptor, Neurokinin 1 receptor, NK-1 receptor,
	Tachykinin receptor 1
Gene ID:	6869
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones, Feeding Behaviour, Smooth
	Muscle Cell Migration

Application Details

Application Notes:	Approved: IHC, IHC-P (1 - 40 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.

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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 Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

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.

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

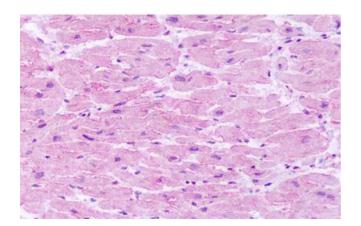
Format:	Liquid
Concentration:	Lot specific

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Handling

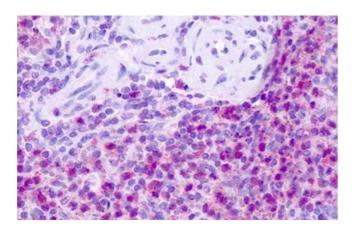
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



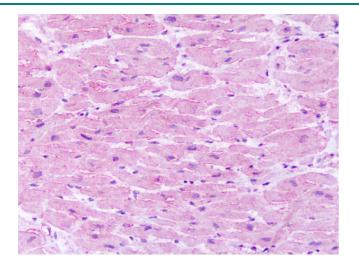
Immunohistochemistry

Image 1. Anti-Neurokinin 1 Receptor / NK1R antibody IHC staining of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody ABIN1049098 dilution 14611 ug/ml.



Immunohistochemistry

Image 2. Anti-Neurokinin 1 Receptor / NK1R antibody IHC staining of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody ABIN1049098 dilution 14611 ug/ml.



Immunohistochemistry

Image 3. Anti-Neurokinin 1 Receptor / NK1R antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1-40 ug/ml.

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