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anti-NTSR2 antibody (Extracellular Domain)





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Overview	
Quantity:	

Quantity:	50 μg
Target:	NTSR2
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Monkey
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 3rd extracellular domain of human NTSR2. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%), Marmoset (89%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human NTSR2. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except NTSR1 (61 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%) Marmoset (89%).
Purification:	Immunoaffinity purified

Target Details

Target:	NTSR2
Alternative Name:	NTSR2 / NTR2 (NTSR2 Products)
Background:	Name/Gene ID: NTSR2
	Subfamily: Neurotensin
	Family: GPCR
	Synonyms: NTSR2, Neurotensin NT2 receptor, Neurotensin receptor, type 2, NTR2, NT2
	receptor, Neurotensin receptor 2, Neurotensin receptor type 2, NT-R-2
Gene ID:	23620

Application Details

Assay Procedure:	The IHC-pro Immunohistochemistry Protocol
Comment:	Target Species of Antibody: Human
Application Notes:	Approved: IHC, IHC-P (4 - 7 μg/mL)

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

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.

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

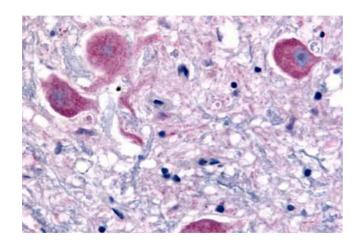
Handling

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.

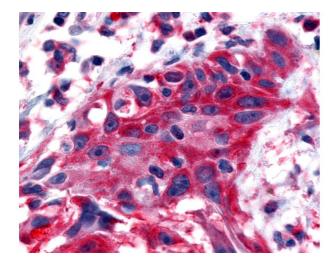
Expiry Date: 12 months

Images



Immunohistochemistry

Image 1. Anti-NTSR2 antibody ABIN1049158 IHC staining of human brain, neurons. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-NTSR2 / NTR2 antibody IHC of human Skin, Melanoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.