antibodies -online.com





anti-HCRTR1 antibody (Cytoplasmic Domain)

2 Images



Go to Product page

()	1 /	\sim	rv	11/	11	Α
	1//	┙	I \/	16	٦,	/\

Quantity:	50 μg	
Target:	HCRTR1	
Binding Specificity:	Cytoplasmic Domain	
Reactivity:	Human, Rat, Monkey	
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 3rd cytoplasmic domain of human HCRTR1 / Orexin Receptor 1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon,	
Immunogen:		
Immunogen:	Receptor 1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%), Dog, Rabbit, Pig (93%), Mouse, Rat, Hamster, Elephant, Panda,	
Immunogen: Specificity:	Receptor 1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%), Dog, Rabbit, Pig (93%), Mouse, Rat, Hamster, Elephant, Panda, Bovine, Bat (87%).	

Product Details Purification: Immunoaffinity purified **Target Details** Target: HCRTR1 OX1R / Orexin Receptor 1 (HCRTR1 Products) Alternative Name Background: Name/Gene ID: HCRTR1 Subfamily: Orexin Family: GPCR Synonyms: HCRTR1, Hcrt receptor 1, Hypocretin receptor 1, Hypocretin type 1 receptor, Hypocretin receptor-1, Orexin receptor type 1, Orexin type 1 receptor, Orexin-1 receptor, OX1 receptor, Orexin a receptor, Orexin receptor-1, OX-R1, Orexin receptor 1, Ox1-R, OX1R, Hypocretin (orexin) receptor 1, Hypocretin receptor type 1, Ox-1-R Gene ID: 3061 Pathways: **Feeding Behaviour Application Details** Application Notes: Approved: IHC, IHC-P (6.8 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

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

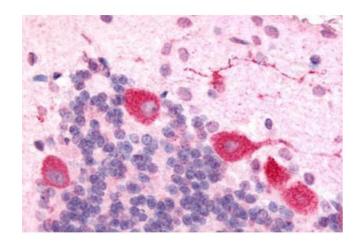
Format: Liquid

Concentration: Lot specific

Handling

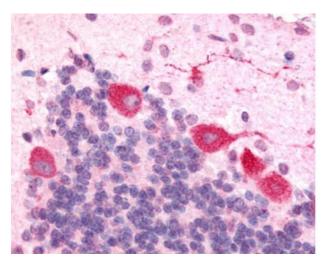
Buffer:	PBS, less than 0.1 % sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Aliquot and store undiluted at -20°C or below for up 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-HCRTR1 / Orexin Receptor 1 antibody ABIN1048952 IHC staining of rat brain, Purkinje neurons. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-HCRTR1 / Orexin Receptor 1 antibody IHC of rat brain, Purkinje neurons. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.