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Datasheet for ABIN1048964 anti-HRH4 antibody (Cytoplasmic Domain)

2 Images



Overview

Quantity:	50 µg
Target:	HRH4
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 18 amino acid peptide from 1st cytoplasmic domain of human HRH4 / Histamine H4 Receptor. Percent identity with other species by BLAST analysis: Human, Monkey, Marmoset (100%), Bovine, Horse, Rabbit (94%), Gibbon, Mouse, Panda, Dog (89%), Rat, Opossum, Platypus (83%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human HRH4 / Histamine H4 Receptor. 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, Marmoset (100%) Bovine, Horse, Rabbit (94%) Gibbon, Mouse, Panda, Dog (89%) Rat, Opossum, Platypus (83%).

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Product Details

Purification:

Immunoaffinity purified

Target Details

Target:	HRH4
Alternative Name:	HRH4 / Histamine H4 Receptor (HRH4 Products)
Background:	Name/Gene ID: HRH4 Subfamily: Histamine
	Family: GPCR
	Synonyms: HRH4, BG26, G-protein coupled receptor 105, GPRv53, H4, HH4R, Histamine H4 receptor, GPCR105, H4R, Pfi-013, SP9144, AXOR35, Gprc105, H4 histamine receptor, Histamine receptor H4
Gene ID:	59340

Application Details

Application Notes:	Approved: ICC, IF, IHC, IHC-P (12 - 24 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.

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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 streptavidin – 30 minutes at room temperature. May 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

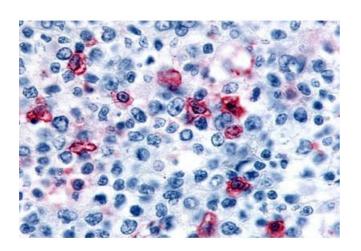
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide

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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

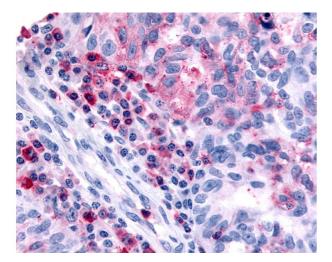
Images

Handling



Immunohistochemistry

Image 1. Anti-HRH4 / Histamine H4 Receptor antibody ABIN1048964 IHC staining of human lymph node. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-HRH4 / Histamine H4 Receptor antibody IHC of human Ovary, Carcinoma and Inflammatory Cells. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval.

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