


Product datasheet

Anti-HRH3/H3R antibody - Cytoplasmic domain ab188972

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Overview

Product name	Anti-HRH3/H3R antibody - Cytoplasmic domain
Description	Rabbit polyclonal to HRH3/H3R - Cytoplasmic domain
Host species	Rabbit
Specificity	BLAST analysis of the peptide immunogen showed no homology with other Human proteins.
Tested applications	Suitable for: IHC-P Unsuitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Horse, Guinea pig, Hamster, Cow, Dog, Monkey, Gorilla, Bat 
Immunogen	Synthetic peptide corresponding to Human HRH3/H3R. 16 amino acid peptide from 2nd cytoplasmic domain. NP_009163.2. Database link: Q9Y5N1
Positive control	Human brain (neurons and glia) tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituent: 99% PBS

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab188972 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 7 - 15 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Application notes Is unsuitable for WB.

Target

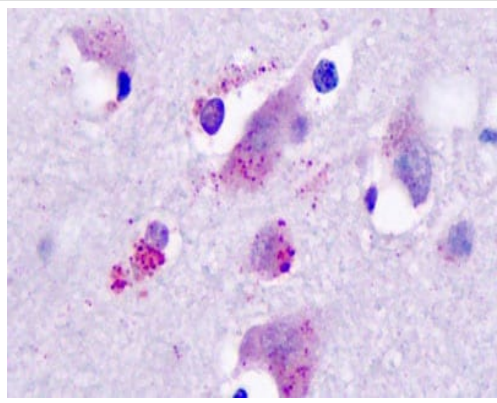
Function The H3 subclass of histamine receptors could mediate the histamine signals in CNS and peripheral nervous system. Signals through the inhibition of adenylate cyclase and displays high constitutive activity (spontaneous activity in the absence of agonist). Agonist stimulation of isoform 3 neither modified adenylate cyclase activity nor induced intracellular calcium mobilization.

Tissue specificity Expressed predominantly in the CNS, with the greatest expression in the thalamus and caudate nucleus. The various isoforms are mainly coexpressed in brain, but their relative expression level varies in a region-specific manner. Isoform 3 and isoform 7 are highly expressed in the thalamus, caudate nucleus and cerebellum while isoform 5 and isoform 6 show a poor expression. Isoform 5 and isoform 6 show a high expression in the amygdala, substantia nigra, cerebral cortex and hypothalamus. Isoform 7 is not found in hypothalamus or substantia nigra.

Sequence similarities Belongs to the G-protein coupled receptor 1 family.

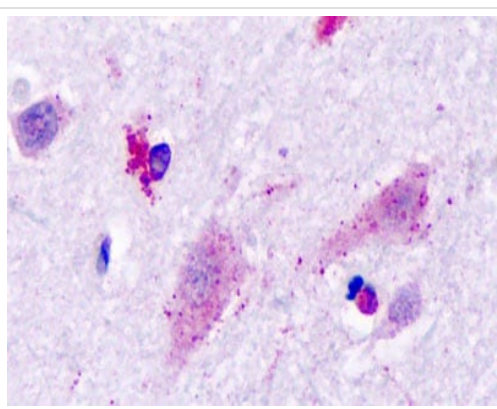
Cellular localization Cell membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HRH3/H3R antibody - Cytoplasmic domain (ab188972)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human brain (neurons and glia) tissue, labeling HRH3/H3R with ab188972 at 15 µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HRH3/H3R antibody - Cytoplasmic domain (ab188972)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human brain (neurons) tissue, labeling HRH3/H3R with ab188972 at 15 µg/ml.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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