

Datasheet for ABIN3031207
anti-HRH3 antibody (C-Term)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	HRH3
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HRH3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human HRH3 (CPQKLKIQPHSSLEHCWK) was used as the immunogen for this HRH3 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	HRH3
Alternative Name:	HRH3 (HRH3 Products)
Background:	The histamine receptor H3(HRH3) is a presynaptic autoreceptor on histamine neurons in the brain and a presynaptic heteroreceptor in nonhistamine-containing neurons in both the central and peripheral nervous systems. The deduced 445-amino acid HRH3 protein contains 7

Target Details

predicted transmembrane domains. And it shares 22 % and 21.4 % amino acid sequence homology with the H1(HRH1) and H2(HRH2) receptors, respectively. The expression of recombinant HRH3 in a variety of cell lines conferred an ability to inhibit adenylate cyclase in response to histamine, but not to acetylcholine or any other biogenic amine. Additionally, HRH3 was most notably observed throughout the thalamus, the ventromedial hypothalamus, and the caudate nucleus. Strong expression was also seen in layers II, V, and VIb of the cerebral cortex, in the pyramidal layers of the hippocampus, and in olfactory tubercle.

UniProt: [Q9Y5N1](#)

Pathways: [cAMP Metabolic Process](#), [Feeding Behaviour](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the HRH3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.
Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

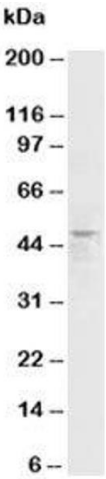
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

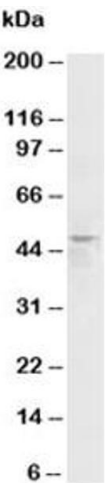
Storage Comment: After reconstitution, the HRH3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of HRH3 antibody and rat brain tissue lysate



Western Blotting

Image 2. Western blot testing of HRH3 antibody and rat brain tissue lysate