

## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06904 - Goat Anti-Histamine Receptor H1 (C Term) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** HRH1, histamine receptor H1, HGNC:5182, H1-R, hisH1, histamine receptor, subclass H1, OTTHUMP00000160133, histamine H(1) receptor

**Official Symbol:** HRH1

**Accession Number(s):** NP\_000852.1; NP\_001091681.1; NP\_001091682.1; NP\_001091683.1

**Human GeneID(s):** [3269](#)

**Non-Human GeneID(s):** 15465 (mouse), 24448 (rat)

**Important Comments:** Variants (NP\_000852.1; NP\_001091681.1; NP\_001091682.1; NP\_001091683.1) encode the same protein.

### Immunogen

Peptide with sequence CNENFKKTFKRILH, from the C Terminus of the protein sequence according to NP\_000852.1; NP\_001091681.1; NP\_001091682.1; NP\_001091683.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Preliminary experiments gave bands at approx 55kDa and 37kDa in Human Duodenum lysate after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the 37kDa band we observe given the calculated size of 55.8kDa according to NP\_000852.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional band).

**IHC:** In paraffin embedded Human Colon shows membranous staining. Recommended concentration: 4-6µg/ml. Paraffin embedded Human Small Intestine. Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow

EB06904 (5µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB06904 (4µg/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.