

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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EB08035 - Goat Anti-CRHR1 / CRF-R (aa 107 - 117)

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: CRHR1, CRF-R, corticotropin releasing hormone receptor 1, CRF1, CRFR1, CRH-R1h, CRHR, CRHR1f, corticotropin releasing hormone receptor variant 1h,

seven transmembrane helix receptor

Official Symbol: CRHR1

Accession Number(s): NP_004373.2

Human GenelD(s): 1394

Non-Human GenelD(s): 12921 (mouse), 58959 (rat)

Immunogen

Peptide with sequence C-NEEKKSKVHYH, from the internal region of the protein sequence according to NP_004373.2.

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: Approx. 55kDa band observed in Human Duodenum lysates and in preliminary testing of Human Ovary lysate (calculated MW of 47.7kDa according to NP_004373.2). This molecular weight is observed by other commercial sources, and was blocked by incubation with the immunizing peptide. A band at 48kDa was also observed in preliminary testing of Rat Testes lysate. Recommended concentration: 2-3ug/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat

Specific References

This antibody (previous batch) has been successfully used in IHC on Mouse:

Cassandra L. Kooiker, Yuncai Chen, Matthew T. Birnie, and Tallie Z. Baram Genetic Tagging Uncovers a Robust, Selective Activation of the Thalamic Paraventricular Nucleus by Adverse Experiences Early in Life.

Biol Psychiatry Glob Open Sci. 2023 Jan 24;3(4):746-755.

PMID: 37881549

This antibody (previous batch) has been successfully used in ICC on Mouse:

Silvia Cursano, Chiara R. Battaglia, Carolina Urrutia-Ruiz, Stefanie Grabrucker, Michael Schön, Jürgen Bockmann, Sonja Braumüller, Peter Radermacher, Francesco

Roselli, Markus Huber-Lang, and Tobias M. Boeckers

A CRHR1 antagonist prevents synaptic loss and memory deficits in a trauma-induced delirium-like syndrome.

Mol Psychiatry. 2021; 26(8): 3778-3794.

PMID: 32051550

This antibody (previous batch) has been successfully used in ICC on Rat:

Xie Z, Penzes P, Srivastava DP

Exchange protein directly activated by cAMP 2 is required for corticotropin-releasing hormone-medi Eur J Neurosci. 2019 Jun 14.

PMID: 31199033

This antibody (previous batch) has been successfully used in ICC/IF on Rat:

Zhong Xie, Peter Penzes, Deepak P. Srivastava

EPAC2 is required for corticotropin-releasing hormone-mediated spine loss

April 2019: doi: https://doi.org/10.1101/607598

PMID: 0

This antibody (previous batch) has been successfully used in Western blot on Mouse:

Baglietto-Vargas D, Chen Y, Suh D, Ager RR, Rodriguez-Ortiz CJ, Medeiros R, Myczek K, Green KN, Baram TZ, LaFerla FM.

Short-term modern life-like stress exacerbates $A\beta$ -pathology and synapse loss in 3xTg-AD mice.

J Neurochem. 2015 Sep;134(5):915-26.

PMID: 26077803

This antibody (previous batch) has been successfully used in Western blot on Mouse:

Weerachayaphorn J, Mennone A, Soroka CJ, Harry K, Hagey LR, Kensler TW, Boyer JL. Nuclear factor-E2-related factor 2 is a major determinant of bile acid homeostasis in the liver and intestine.

Am J Physiol Gastrointest Liver Physiol. 2012 May 1;302(9):G925-36.

PMID: 22345550

This antibody (previous batch) has been successfully used in IHC on Mouse:

Jüngling K, Liu X, Lesting J, Coulon P, Sosulina L, Reinscheid RK, Pape HC. Activation of neuropeptide S expressing neurons in the locus coeruleus by corticotropin-releasing factor.

J Physiol. 2012 May 8.

PMID: 22570383

250kDa 150kDa 100kDa 75kDa 50kDa

25kDa

20kDa

15kDa

EB08035 (2μg/ml) staining of Human Duodenum lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.