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

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

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 GeneID(s): [1394](#)

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

Immunogen

Peptide with sequence C-NEEKKSQVHYH, 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 1:128000.

Western blot: Approx 60kDa band observed in Human Brain (Cerebellum), Colon, Rat Brain and Mouse spinal cord lysates (calculated MW of 47.7kDa according to NP_004373.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Xu et al, Mol Pharmacol. 2001 Mar;59(3):485-92; PMID: 11179443) . Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

Immunocytochemistry: This data is from a previous batch:

<http://www.biocompare.com/Product-Reviews/152450-Immunocytochemistry-for-CRH-receptor-type>

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat

Specific References

This antibody 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 Aβ-pathology and synapse loss in 3xTg-AD mice.

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

PMID: 26077803

This antibody 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

This antibody 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

EB08035 (1µg/ml) staining of Human Colon (A), Cerebellum (B), Rat Brain (C) and Mouse spinal Cord (D) lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.

Confocal image (3µm) of EB08035 (0.3µg/ml) staining in green a dendrite of a neuronal cell in C57 mouse cortex. Counter-stained with DAPI (in blue). Data kindly provided by Dr Y. Chen, TZ Baram lab, UC Irvine, CA.

This data is from a previous batch, not on sale.