

# Product Datasheet

## CRHR1/CRF1 Antibody NBP1-00175

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-00175****CRHR1/CRF1 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

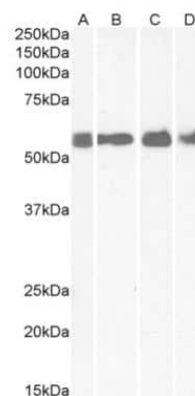
<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	1394
<b>Gene Symbol</b>	CRHR1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Peptide with sequence C-NEEKKSKVHYH corresponding to internal region according to NP_004373.2.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.1 - 0.3 ug/mL, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Peptide ELISA Detection limit 1:128000
<b>Application Notes</b>	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). Primary incubation was 1 hour. IHC reported in scientific literature (PMID: 22570383). Use in ICC/IF reported in scientific literature (PMID: 30439403).

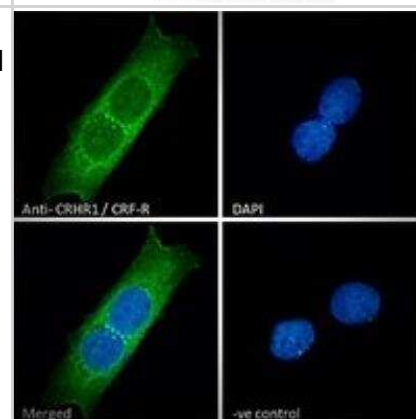


## Images

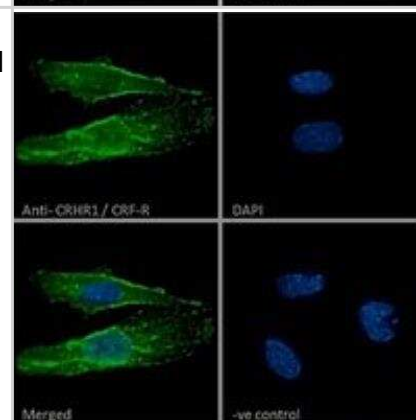
Western Blot: CRHR1/CRF1 Antibody [NBP1-00175] - Staining of Human Colon (A), Cerebellum (B), Rat Brain (C) and Mouse spinal Cord (D) lysates (35 ug protein in RIPA buffer). Antibody at 1 ug/mL. Detected by chemiluminescence.



Immunocytochemistry/Immunofluorescence: CRHR1/CRF1 Antibody [NBP1-00175] - Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing cytoplasmic and vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Immunocytochemistry/Immunofluorescence: CRHR1/CRF1 Antibody [NBP1-00175] - Immunofluorescence analysis of paraformaldehyde fixed Neuro2a cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing plasma membrane, and vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



## Publications

Ritchie JL, Walters JL, Galliou JMC Et al. Basolateral amygdala corticotropin-releasing factor receptor type 1 regulates context-cocaine memory strength during reconsolidation in a sex-dependent manner *Neuropharmacology* 2021-12-01 [PMID: 34610289] (Simple Western, Rat)

Wang S, Wang C, Yu Z et al. Agarwood Essential Oil Ameliorates Restrain Stress-Induced Anxiety and Depression by Inhibiting HPA Axis Hyperactivity. *Int J Mol Sci.* 2018-11-05 [PMID: 30400578] (WB, Mouse)

D'Costa S, Ayyadurai S, Gibson AJ et al. Mast Cell CRF2 Suppresses Mast Cell Degranulation and Limits the Severity of Anaphylaxis and Stress-Induced Intestinal Permeability. *J. Allergy Clin. Immunol.* 2018-11-12 [PMID: 30439403] (ICC/IF, Mouse)

Rissman RA, Lee KF, Vale W, Sawchenko PE. Corticotropin-releasing factor receptors differentially regulate stress-induced tau phosphorylation. *J Neurosci* 2007-06-13 [PMID: 17567816]

Xu G, Rabadan-Diehl C, Nikodemova M et al. Inhibition of corticotropin releasing hormone type-1 receptor translation by an upstream AUG triplet in the 5' untranslated region. *Mol Pharmacol* 2001-03-01 [PMID: 11179443]

Jungling K, Liu X, Lesting J et al. Activation of neuropeptide S expressing neurons in the locus coeruleus by corticotropin-releasing factor. *J Physiol* 2012-05-08 [PMID: 22570383] (IHC-P, Mouse)





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### **Products Related to NBP1-00175**

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00001394-G01	Recombinant Human CRHR1/CRF1 Protein

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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