

Goat Anti-CRHR1 / CRF-R (aa 107 - 117) Antibody
Peptide-affinity purified goat antibody
Catalog # AF1276a**Specification****Goat Anti-CRHR1 / CRF-R (aa 107 - 117) Antibody - Product Information**

Application	WB, IHC, IF, ICC, E
Primary Accession	P34998
Other Accession	NP_004373 , 1394 , 12921 (mouse) , 58959 (rat)
Reactivity	Human, Mouse
Predicted	Rat
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	47671

Goat Anti-CRHR1 / CRF-R (aa 107 - 117) Antibody - Additional Information**Gene ID** 1394**Other Names**

Corticotropin-releasing factor receptor 1, CRF-R-1, CRF-R1, CRFR-1, Corticotropin-releasing hormone receptor 1, CRH-R-1, CRH-R1, CRHR1, CRFR, CRFR1, CRHR

DilutionWB~~1:1000
IHC~~1:100~500
IF~~1:50~200
ICC~~N/A
E~~N/A**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-CRHR1 / CRF-R (aa 107 - 117) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CRHR1 / CRF-R (aa 107 - 117) Antibody - Protein Information**Name** CRHR1 ([HGNC:2357](#))

Function

G-protein coupled receptor for CRH (corticotropin-releasing factor) and UCN (urocortin). Has high affinity for CRH and UCN. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and down-stream effectors, such as adenylate cyclase. Promotes the activation of adenylate cyclase, leading to increased intracellular cAMP levels. Inhibits the activity of the calcium channel CACNA1H. Required for normal embryonic development of the adrenal gland and for normal hormonal responses to stress. Plays a role in the response to anxiogenic stimuli.

Cellular Location

Cell membrane; Multi-pass membrane protein. Endosome. Note=Agonist-binding promotes endocytosis

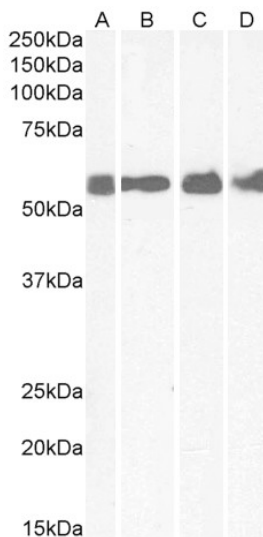
Tissue Location

Predominantly expressed in the cerebellum, pituitary, cerebral cortex and olfactory lobe

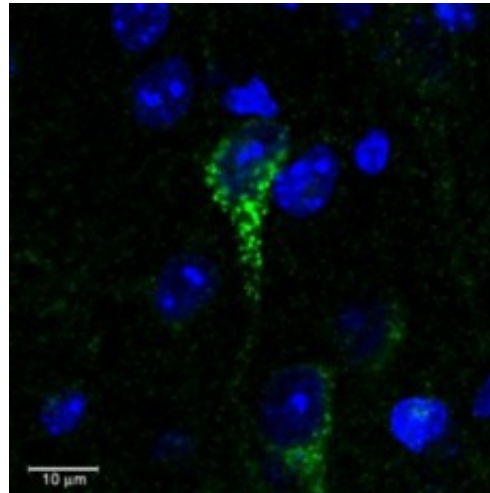
Goat Anti-CRHR1 / CRF-R (aa 107 - 117) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



AF1276a (1 µg/ml) staining of Human Colon (A), Cerebellum (B), Rat Brain (C) and Mouse spinal Cord (D) lysates (35 µg protein in RIPA buffer). Detected by chemiluminescence.



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

This gene encodes a G-protein coupled receptor that binds neuropeptides of the corticotropin releasing hormone family that are major regulators of the hypothalamic-pituitary-adrenal pathway. The encoded protein is essential for the activation of signal transduction pathways that regulate diverse physiological processes including stress, reproduction, immune response and obesity. Alternative splicing results in multiple transcript variants.

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

A genetic association study of maternal and fetal candidate genes that predispose to preterm prelabor rupture of membranes (PROM). Romero R, et al. Am J Obstet Gynecol, 2010 Jul 29. PMID 20673868.

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Association study of 182 candidate genes in anorexia nervosa. Pinheiro AP, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Jul. PMID 20468064.

Identification of fetal and maternal single nucleotide polymorphisms in candidate genes that predispose to spontaneous preterm labor with intact membranes. Romero R, et al. Am J Obstet Gynecol, 2010 May. PMID 20452482.