

CRFR1 / CRHR1 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10849**Specification**

CRFR1 / CRHR1 Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	P34998
Reactivity	Human, Mouse, Hamster, Monkey, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51kDa KDa

CRFR1 / CRHR1 Antibody (N-Terminus) - Additional Information**Gene ID** 104909134;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

Target/Specificity

Human CRF1. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except CRHR2 (73%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

CRFR1 / CRHR1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

CRFR1 / CRHR1 Antibody (N-Terminus) - Protein Information**Name** CRHR1**Synonyms** CRFR, CRFR1, CRHR**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

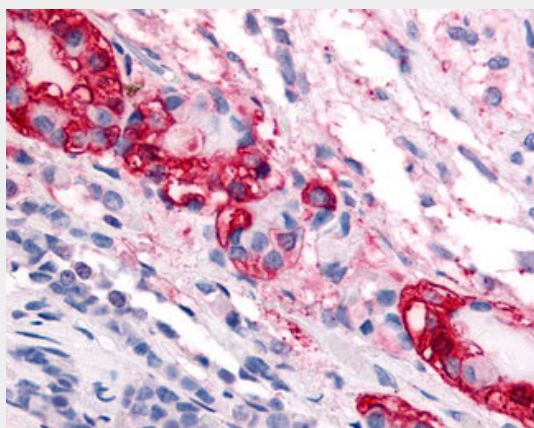
Volume

50 µl

CRFR1 / CRHR1 Antibody (N-Terminus) - 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](#)

CRFR1 / CRHR1 Antibody (N-Terminus) - Images

Anti-CRF1 antibody ALS10849 IHC of human pars intermedia.

CRFR1 / CRHR1 Antibody (N-Terminus) - Background

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.

CRFR1 / CRHR1 Antibody (N-Terminus) - References

Chen R.,et al.Proc. Natl. Acad. Sci. U.S.A. 90:8967-8971(1993).
Vita N.,et al.FEBS Lett. 335:1-5(1993).

Sakai K.,et al.Gene 219:125-130(1998).

Ross P.C.,et al.Biochem. Biophys. Res. Commun. 205:1836-1842(1994).

Grammatopoulos D.K.,et al.Mol. Endocrinol. 13:2189-2202(1999).