

CRHR1 Polyclonal antibody

Catalog Number: 20967-1-AP

13 Publications

Basic Information

Catalog Number:

20967-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004382

GeneID (NCBI):

1394

UNIPROT ID:

P34998

Full Name:

corticotropin releasing hormone receptor 1

Calculated MW:

48 kDa

Observed MW:

46-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HeLa cells, SH-SY5Y cells

Background Information

Corticotropin-releasing hormone (CRH, also known as Corticotropin-releasing factor, CRF) is a 41 amino acid peptide hormone and a key regulator of the stress response. CRH and the related urocortin peptides (UCN, UCN2 and UCN3) mediate their actions through two mammalian receptor subtypes, CRHR1 and CRHR2 (PMID: 23863939). CRHR1 (also known as CRFR1) exhibits high affinity towards CRH and UCN but low affinity towards UCN2 and no affinity towards UCN3 (PMID: 22684850). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. Widely distributed throughout the brain, CRHR1 critically controls behavioral adaptation to stress and is causally linked to emotional disorders (PMID: 21885734). Alternative splicing results in multiple transcript variants encoding distinct isoforms of CRHR1. This antibody raised against a synthesized peptide corresponding to amino acid residues 148-165 of isoform CRF-R1 can only recognize isoform CRF-R1.

Notable Publications

Author	Pubmed ID	Journal	Application
Shao-Jun Chen	25146699	Proc Natl Acad Sci U S A	IF
Shuai Lian	30423388	Behav Brain Res	WB
Chunyang Zhu	31746413	Int J Mol Med	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

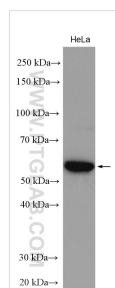
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 20967-1-AP (CRHR1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.