

For Research Use Only

CRHR1 Polyclonal antibody

Catalog Number: 20967-1-AP **10 Publications**



Basic Information

Catalog Number: 20967-1-AP	GenBank Accession Number: NM_004382	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 1394	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	UNIPROT ID: P34998	
Isotype: IgG	Full Name: corticotropin releasing hormone receptor 1	
	Calculated MW: 48 kDa	
	Observed MW: 46-55 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, SH-SY5Y cells
Cited Applications: WB, IF	
Species Specificity: human	
Cited Species: human	

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

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

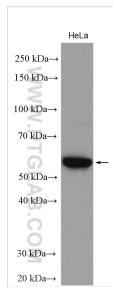
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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.