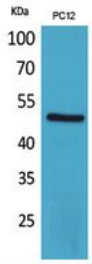
CRF-RI Polyclonal Antibody

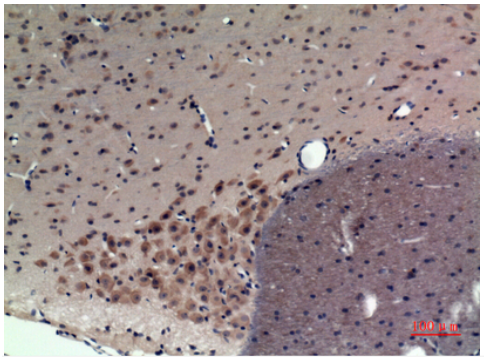
Catalog No	YP-Ab-13739
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CRHR1
Protein Name	Corticotropin-releasing factor receptor 1
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human CRHR1. AA range:71-120
Specificity	CRF-RI Polyclonal Antibody detects endogenous levels of CRF-RI protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CRHR1; CRFR; CRFR1; CRHR; Corticotropin-releasing factor receptor 1; CRF-R-1; CRF-R1; CRFR-1; Corticotropin-releasing hormone receptor 1; CRH-R-1; CRH-R1
Observed Band	50kD
Cell Pathway	Cell membrane; Multi-pass membrane protein. Endosome. Agonist-binding promotes endocytosis.
Tissue Specificity	Predominantly expressed in the cerebellum, pituitary, cerebral cortex and olfactory lobe.
Function	function:This is a receptor for corticotropin releasing factor. Shows high-affinity CRF binding. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.,PTM:C-terminal Ser or Thr residues may be phosphorylated.,similarity:Belongs to the G-protein coupled receptor 2 family.,tissue specificity:Predominantly expressed in the cerebellum, pituitary, cerebral cortex and olfactory lobe.,
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. Naturally-occurring readthrough transcription between this gene and upstream GeneID:147081 results in transcripts that encode isoforms that share similarity with the products of this gene. [provided by RefSeq, Aug 2016],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

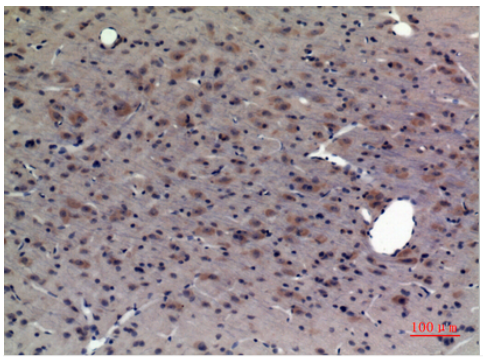
Products Images



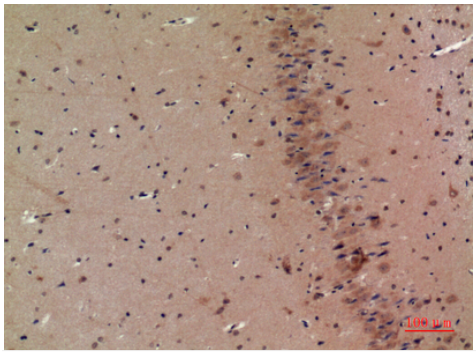
Western Blot analysis of PC12 cells using CRF-RI Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



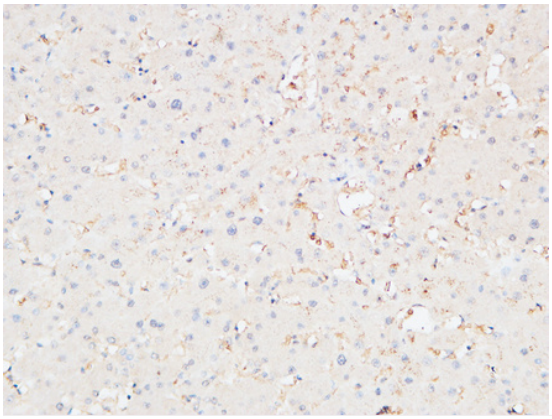
Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human Liver. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).