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Rabbit Anti-CRHR2 antibody

SL2792R

Product Name:	CRHR2
Chinese Name:	促肾上腺皮质释放激素受体2抗体
Alias:	Corticotropin releasing hormone receptor 2; Corticotropin Releasing Factor Receptor 2; Corticotropin-releasing hormone receptor 2; Corticotropin-releasing factor receptor 2; CRF 2; CRF 2R; CRF R2; CRF2; CRF2R; CRFR 2; CRFR2; CRH 2R; CRH R2; CRH2R; CRHR 2; CRHR2; CRHRⅡ.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	43kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CRHR2:51-150/411<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene belongs to the G-protein coupled receptor 2 family, and the subfamily of corticotropin releasing hormone receptor. This receptor shows high affinity for corticotropin releasing hormone (CRH), and also binds CRH-related peptides such as urocortin. CRH is synthesized in the hypothalamus, and plays an important role

in coordinating the endocrine, autonomic, and behavioral responses to stress and immune challenge. Studies in mice suggest that this receptor maybe involved in mediating cardiovascular homeostasis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jan 2011]

Function:
This is a receptor for corticotropin releasing factor. Shows high-affinity CRF binding. Also binds to urocortin I, II and III. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.

Subunit:
Interacts (via N-terminal extracellular domain) with CRF, UCN, UCN2 and UCN3. Has highest affinity for UCN, and considerably lower affinity for CRF, UNC2 and UCN3.

Subcellular Location:
Cell membrane; Multi-pass membrane protein.

Similarity:
Belongs to the G-protein coupled receptor 2 family.

SWISS:
Q13324

Gene ID:
1395

Database links:

Entrez Gene: 1395Human

Entrez Gene: 12922Mouse

Entrez Gene: 64680Rat

Omim: 602034Human

SwissProt: Q13324Human

SwissProt: Q60748Mouse

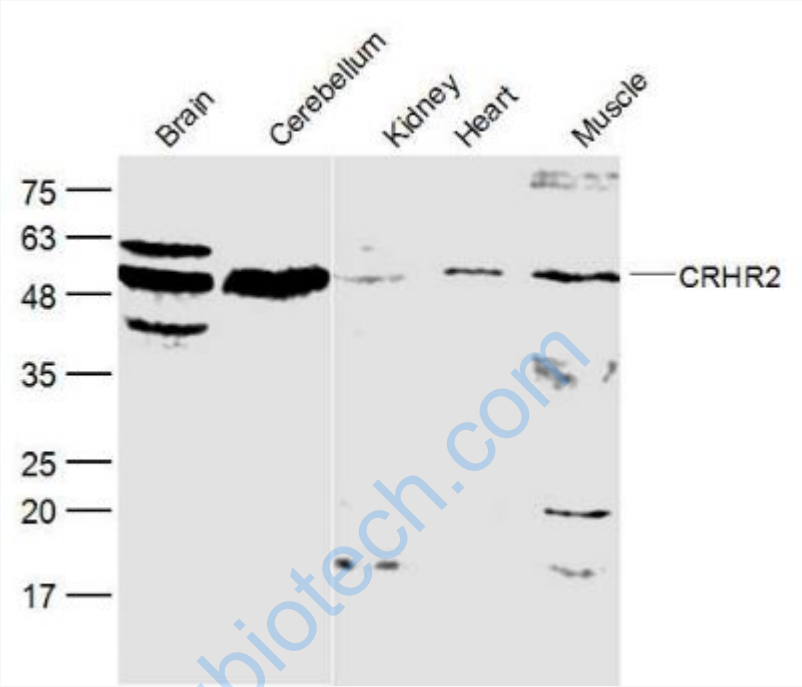
SwissProt: P47866Rat

Unigene: 546246Human

Unigene: 236081Mouse

Unigene: 10023Rat

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Brain (Mouse) Lysate at 40 ug Cerebellum (Mouse) Lysate at 40 ug Kidney (Mouse) Lysate at 40 ug Heart (Mouse) Lysate at 40 ug Muscle (Mouse) Lysate at 40 ug Primary: Anti-CRHR2 (SL2792R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kD Observed band size: 50 kD