

## CRF-RII Polyclonal Antibody

<b>Catalog No :</b>	YT1110
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	CRF-RII
<b>Fields :</b>	>>cAMP signaling pathway;>>Neuroactive ligand-receptor interaction;>>Cushing syndrome
<b>Gene Name :</b>	CRHR2
<b>Protein Name :</b>	Corticotropin-releasing factor receptor 2
<b>Human Gene Id :</b>	1395
<b>Human Swiss Prot No :</b>	Q13324
<b>Mouse Swiss Prot No :</b>	Q60748
<b>Rat Gene Id :</b>	64680
<b>Rat Swiss Prot No :</b>	P47866
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human CRHR2. AA range:71-120
<b>Specificity :</b>	CRF-RII Polyclonal Antibody detects endogenous levels of CRF-RII protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 48kD

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**Cell Pathway :** Neuroactive ligand-receptor interaction;

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**Background :** 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],

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**Function :** 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.,similarity:Belongs to the G-protein coupled receptor 2 family.,

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

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**Expression :** Amygdala,Brain,Skeletal muscle,

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**Sort :** 4564

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**No4 :** 1

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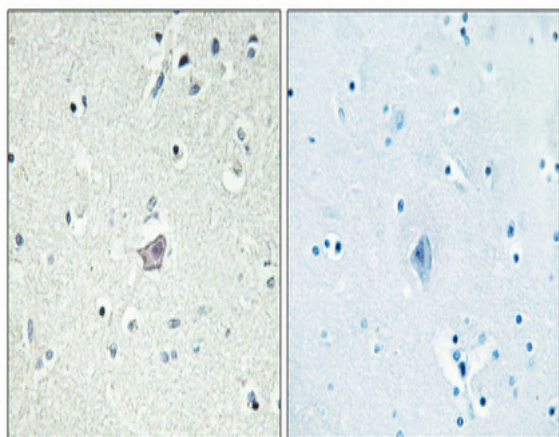
**Host :** Rabbit

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**Modifications :** Unmodified

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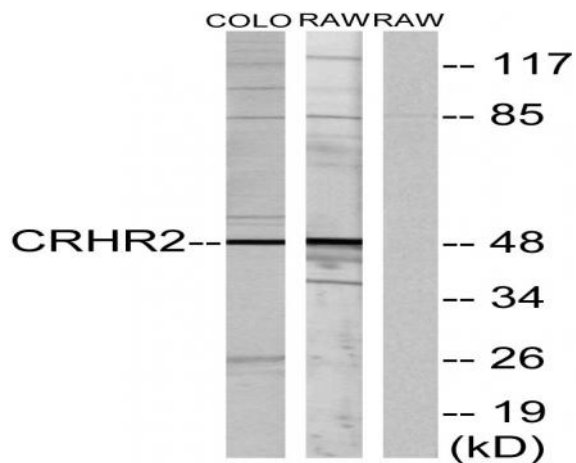
**Products Images**



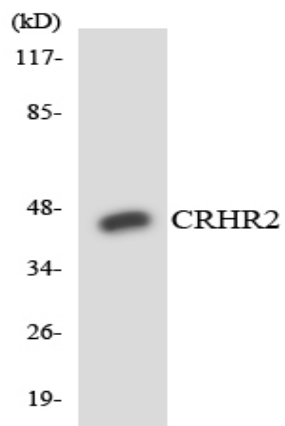
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of MCF7 cells, using CRHR2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO205 and RAW264.7 cells, using CRHR2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using CRHR2 antibody.