

**bs-2791R****[ Primary Antibody ]****CRHR1 Rabbit pAb****BioSS**  
**ANTIBODIES**

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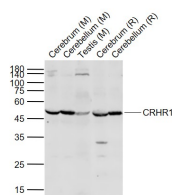
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**DATASHEET**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 1394 <b>Target:</b> CRHR1 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CRHR1/CRFR1: 301-400/444. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> 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 one of which is a non-coding read-through transcript with the neighboring gene MGC57346.	<b>Isotype:</b> IgG <b>SWISS:</b> P34998	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Mouse, Rat (predicted: Human) <b>Predicted MW.:</b> 48 kDa <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
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**VALIDATION IMAGES**

Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug  
Lane 2: Cerebellum (Mouse) Lysate at 40 ug  
Lane 3: Testis (Mouse) Lysate at 40 ug  
Lane 4: Cerebrum (Rat) Lysate at 40 ug  
Lane 5: Cerebellum (Rat) Lysate at 40 ug  
Primary: Anti-CRHR1 (bs-2791R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 50-55 kD  
Observed band size: 48 kD

**SELECTED CITATIONS**

- **[IF=5.878]** Junlong Li. et al. Orcinol glucoside improves the depressive-like behaviors of perimenopausal depression mice through modulating activity of hypothalamic-pituitary-adrenal/ovary axis and activating BDNF- TrkB-CREB signaling pathway. 2021 Aug 11 WB ;Mouse. 34382261
- **[IF=4.122]** Harlé et al. Murine splenic B cells express corticotropin-releasing hormone receptor 2 that affect their viability during a stress response. (2018) Sci.Rep. 8:143 WB,IF,IHC ;Mouse. 29317694
- **[IF=2.17]** Zhu, Xiaoxia, et al. "Xiao Yao San improves depressive-like behavior in rats through modulation of  $\beta$ -arrestin 2 mediated pathways in hippocampus." Evid Based Complement Alternat Med.2014:902516 WB ;"Rat". 25097660
- **[IF=1.759]** Hashimoto,et al.The Effect of a High-Fat Diet on the Development of Abdominal Aortic Aneurysm in a

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