

**bs-1095R****[ Primary Antibody ]****Orexin receptor 1+2 Rabbit pAb****BioSS**  
**ANTIBODIES**

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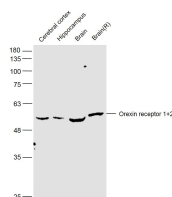
sales@bioss.com.cn

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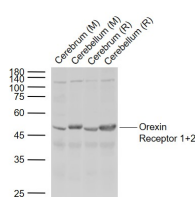
400-901-9800

**DATASHEET**

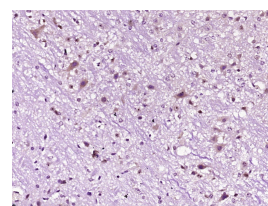
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 3061	<b>SWISS:</b> O43613	
<b>Target:</b> Orexin receptor 1+2		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Orexin receptor 1/2: 321-425/444.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Chicken, Dog, Horse)
<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> The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein binds the hypothalamic neuropeptides orexin A and orexin B. A related gene (HCRT1) encodes a G-protein coupled receptor that selectively binds orexin A. [provided by RefSeq, Jan 2009]		<b>Predicted MW.:</b> 50 kDa
		<b>Subcellular Location:</b> Cell membrane

**VALIDATION IMAGES**

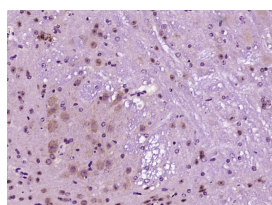
Sample: Cerebral cortex (Mouse) Lysate at 40 ug  
Hippocampus (Mouse) Lysate at 40 ug  
Brain (Rat) Lysate at 40 ug  
Primary: Anti- Orexin receptor 1+2 (bs-1095R) at 1/500 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 50 kD  
Observed band size: 50 kD



Sample: Lane 1: Mouse Cerebrum tissue lysates  
Lane 2: Mouse Cerebellum tissue lysates  
Lane 3: Rat Cerebrum tissue lysates  
Lane 4: Rat Cerebellum tissue lysates  
Primary: Anti-Orexin receptor 1+2 (bs-1095R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 50 kD  
Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse Cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Orexin receptor 1+2) Polyclonal Antibody, Unconjugated (bs-1095R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Orexin receptor 1+2) Polyclonal Antibody, Unconjugated (bs-1095R) at 1:400

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## — SELECTED CITATIONS —

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- **[IF=12.121]** Hui Fenget al. Orexin signaling modulates synchronized excitation in the sublaterodorsal tegmental nucleus to stabilize REM sleep. Nat Commun . 2020 Jul 21;11(1):3661. IHC ;Rats , mice. 32694504
- **[IF=5.5]** Qi-Cheng Qiao. et al. Orexin recruits non-selective cationic conductance and endocannabinoid to dynamically modulate firing of caudal pontine reticular nuclear neurones. J PHYSIOL-LONDON. 2023 Jul;: IHC ;Rat. 37421377