[Primary Antibody]

Orexin receptor 1+2 Rabbit pAb

- DATASHEET -

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

GenelD: 3061

SWISS: 043613

Target: Orexin receptor 1+2

Immunogen: KLH conjugated synthetic peptide derived from human Orexin receptor 1/2: 321-425/444. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 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.

Background: 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 (HCRTR1) encodes a G-protein coupled receptor that selectively binds orexin A. [provided by RefSeq, Jan 2009]

- VALIDATION IMAGES



Sample: Cerebral cortex (Mouse) Lysate at 40 ug Hippocampus (Mouse) Lysate at 40 ug Brain (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



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Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Chicken, Dog, Horse)

Predicted MW.: ^{50 kDa}

Subcellular Location: Cell membrane

Paraformaldehyde-fixed, paraffin embedded (Mouse Cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15mir; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30mir; 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) instructionsand 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 overnight at 4°C, followed by operating

- SELECTED CITATIONS -

- [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