

Orexin A Rabbit pAb

Catalog Number: bs-15509R

Target Protein: Orexin A

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), ELISA (1:5000-10000)

Reactivity: Human, Mouse, Rat

Predicted MW: 13 kDa

Entrez Gene: 3060

Swiss Prot: O43612

Source: KLH conjugated synthetic peptide derived from human Orexin A: 21-70/131.

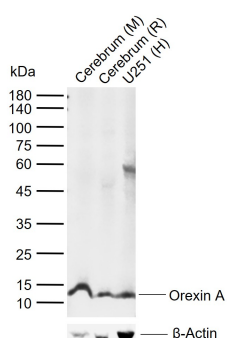
Purification: affinity purified by Protein A

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: Prepro-orexin is 130 amino acid long peptide with a putative 33 AA secretory sequence, a hydrophobic core followed by residues with small polar side chains. The expression was detected in brain and to a small extent in testis. These neuropeptides bind and activate two closely related Orexin receptors—G-protein coupled receptors (GPCRs) OX1R and OX2R. Orexins (Orexin A and Orexin B) are a family of hypothalamic neuropeptides selectively expressed in the hypothalamus. Orexin A and Orexin B are derived from the same precursor (Prepro-orexin) by proteolytic cleavage.

VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Rat Cerebrum tissue lysates Lane 3: Human U251 cell lysates
Primary: Anti- Orexin A (bs-15509R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 13 kDa Observed band size: 12 kDa

PRODUCT SPECIFIC PUBLICATIONS

[IF=9.3] Guo Jing. et al. Therapeutic effects of orexin-A in sepsis-associated encephalopathy in mice. J NEUROINFLAMM. 2024 Dec;21(1):1-19 WB ; Mouse . 38760784

[IF=2.751] De-Qi Yan. et al. Establishment of a chronic insomnia rat model of sleep fragmentation using unstable platforms surrounded by water. EXP THER MED. 2023 May;25(5):1-12 IF ; Rat . 37114171