

## Orexin Receptor 1 Rabbit pAb

Catalog Number: bs-18029R

Target Protein: Orexin Receptor 1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

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

Predicted MW: 48 kDa

Entrez Gene: 3061

Swiss Prot: O43613

Source: KLH conjugated synthetic peptide derived from human Orexin Receptor 1: 101-200/425.

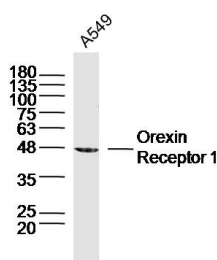
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

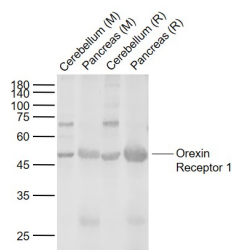
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** 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]

### VALIDATION IMAGES



Sample: A549 Cell (Human) Lysate at 30 ug Primary: Anti-Orexin Receptor 1 (bs-18029R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48kD Observed band size: 48kD



Sample: Lane 1: Mouse Cerebellum tissue lysates Lane 2: Mouse Pancreas tissue lysates Lane 3: Rat Cerebellum tissue lysates Lane 4: Rat Pancreas tissue lysates Primary: Anti-Orexin Receptor 1 (bs-18029R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD

## PRODUCT SPECIFIC PUBLICATIONS

[IF=5.81] Shengyan Xi. et al. The Ciji-Hua' ai-Baosheng II Formula Attenuates Chemotherapy-Induced Anorexia in Mice With H22 Hepatocellular Carcinoma. Front Pharmacol. 2021; 12: 715824 IHC ; Mouse . 34489705

[IF=3.333] Hye Ji J. Kim. et al. Dual Cannabinoid and Orexin Regulation of Anhedonic Behaviour Caused by Prolonged Restraint Stress. BRAIN SCI. 2023 Feb;13(2):314 IHC ; Mouse . 36831860

[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

[IF=3.2] Guo Yu. et al. Endogenous orexin and hyperacute autonomic responses after resuscitation in a preclinical model of cardiac arrest. FRONT NEUROSCI-SWITZ. 2024 Sep;18: IHC ; Rat . 39347533