

## Oxytocin R Rabbit pAb

Catalog Number: bs-1314R

Target Protein: Oxytocin R

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

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

Predicted MW: 43 kDa

Entrez Gene: 18430

Swiss Prot: P97926

Source: KLH conjugated synthetic peptide derived from mouse oxytocin receptor: 325-388/388.

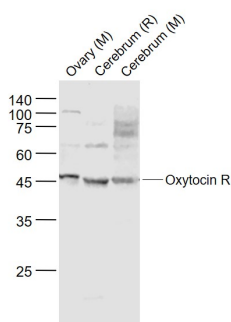
Purification: affinity purified by Protein A

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

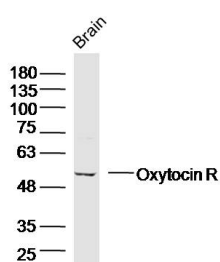
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** he protein encoded by this gene belongs to the G-protein coupled receptor family and acts as a receptor for oxytocin. Its activity is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. The oxytocin-oxytocin receptor system plays an important role in the uterus during parturition. [provided by RefSeq, Jul 2008]

### VALIDATION IMAGES



Sample: Lane 1: Ovary (Mouse) Lysate at 40 ug Lane 2: Cerebrum (Rat) Lysate at 40 ug Lane 3: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti-Oxytocin R (bs-1314R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kD Observed band size: 42 kD



Sample: Brain (Mouse) Lysate at 40 ug Primary: Anti-Oxytocin R (bs-1314R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kD Observed band size: 53 kD

## PRODUCT SPECIFIC PUBLICATIONS

[IF=8.008] Kaho Nakamura. et al. Probing the Spatiotemporal Dynamics of Oxytocin in the Brain Tissue Using a Simple Peptide Alkyne-Tagging Approach. ANAL CHEM. 2022;94(35):11990–11998 IHC ; Mouse . 36008880

[IF=4.7] Masroor Badshah. et al. Age-Dependent Effects of Oxytocin and Oxytocin Receptor Antagonists on Bladder Contractions: Implications for the Treatment of Overactive Bladder Syndrome. BIOMEDICINES. 2024 Mar;12(3):674 IHC ; Rat . 38540287

[IF=4.966] Korie Sondgeroth. et al. The Endometrium Contributes to the Differential Contractile Response to Oxytocin of Uterine Tissue from Virgin and Proven Breeder Non-pregnant Rats. 2021 May 14 IHC ; Rat . 10.1096/fasebj.2021.35.S1.05268

[IF=4.2] Zhang, Fengwei, et al. "Seasonal Expression of Oxytocin and Oxytocin Receptor in the Scented Gland of Male Muskrat (Ondatra zibethicus)." Scientific Reports 7.1 (2017): 16627. WB,IHC ; ="Others" . 29192229

[IF=3.932] Ali H et al. Oxytocin induces intracellular Ca<sup>2+</sup> release in cardiac fibroblasts from neonatal rats. Cell Calcium. 2019 Oct 4;84:102099. ICC ; Rat . 31614270