bs-1314R

- DATASHEET -

[Primary Antibody]

Oxytocin R Rabbit pAb



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DATASTILL	- 1		
Host:	Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal			Reactivity: Human, Mouse, Rat
GenelD:	18430	SWISS: P97926	(predicted: Pig, Cow, Dog, Horse)
Target:	Oxytocin R		
Immunogen: KLH conjugated synthetic peptide derived from mouse oxytocin receptor: 325-388/388. < Cytoplasmic >			Predicted MW.: ^{43 kDa}
Purification: affinity purified by Protein A			Cubacillular
Concentration: 1mg/ml			Location: Cell membrane
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			

- VALIDATION IMAGES



or ¹⁰ or ¹⁰

parturition. [provided by RefSeq, Jul 2008]

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 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

- SELECTED CITATIONS -

- [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 II et al. Oxytocin induces intracellular Ca2+ release in cardiac fibroblasts from neonatal rats. Cell Calcium. 2019 Oct 4;84:102099. ICC ;Rat. 31614270