

bs-3724R**[Primary Antibody]****phospho-mu Opioid Receptor (Ser375) Rabbit pAb****BioSS**
ANTIBODIES

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) ELISA (1:5000-10000)
Clonality: Polyclonal		
GeneID: 25601	SWISS: P33535	Reactivity: (predicted: Human, Mouse, Rat, Pig, Cow, Dog, Horse)
Target: mu Opioid Receptor (Ser375)		
Immunogen: KLH conjugated Synthesised phosphopeptide derived from rat mu Opioid Receptor around the phosphorylation site of Ser375: HP(p-S)TA.		Predicted MW.: 44 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane
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: This gene encodes one of three opioid receptors. The mu opioid receptor is the principal target of endogenous opioid peptides and opioid analgesic agents such as beta-endorphin and enkephalins. The NM_001008503.1:c.118A>G allele had been associated with opioid and alcohol addiction and variations in pain sensitivity but evidence is conflicting. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2012]		

— SELECTED CITATIONS —

- **[IF=6.8]** Jiang Cheng. et al. The endogenous opioid system in the medial prefrontal cortex mediates ketamine's antidepressant-like actions. TRANSL PSYCHIAT. 2024 Feb;14(1):1-11 WB ;Rat. 38346984
- **[IF=4.586]** Sanna MD et al. μ Opioid Receptor-Triggered Notch-1 Activation Contributes to Morphine Tolerance: Role of Neuron-Glia Communication. Mol Neurobiol. 2019 Jul 25. IF ;Mouse. 31347026
- **[IF=3.3]** Brewer, Kori L., et al. "Dopamine D3 receptor dysfunction prevents anti-nociceptive effects of morphine in the spinal cord." Frontiers in Neural Circuits 8 (2014): 62. WB ;Mouse. 24966815
- **[IF=3.36]** Laureano, D. P., et al. "Intrauterine growth restriction modifies the hedonic response to sweet taste in newborn pups-role of the accumbal μ -opioid receptors." Neuroscience (2016). WB ;Rat. 26926962