bs-3623R **[Primary Antibody]**

mu Opioid receptor Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4988 **SWISS:** P35372

Target: mu Opioid receptor

Immunogen: KLH conjugated synthetic peptide derived from human mu Opioid receptor: 165-270/400.

Purification: affinity purified by Protein A

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 a s beta-endorphn 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]

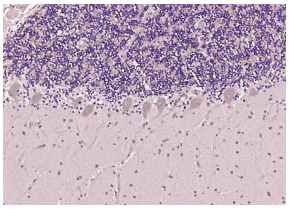
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

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

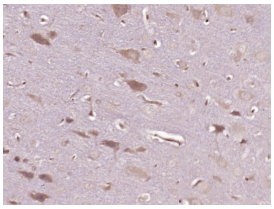
Predicted MW.: 45 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (human cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (mu Opioid receptor) Polyclonal Antibody, Unconjugated (bs-3623R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (mu Opioid receptor) Polyclonal Antibody, Unconjugated (bs-3623R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

SELECTED CITATIONS

- **[IF=4.5]** Hui Gao. et al. μ-Opioid Receptor–Mediated Enteric Glial Activation Is Involved in Morphine-Induced Constipation. 2021 Feb 23 IF,IHC ;Mouse. 33624141
- **[IF=5]** Chiu-Yi Ho. et al. Microglial activation and toll-like receptor 4-Dependent regulation of angiotensin II type I receptor-mu-opioid receptor 1 heterodimerization and hypertension in fructose-fed rats. EUR J PHARMACOL. 2023 Nov;:176171 IF ;Rat. 37996009
- **[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

- **[IF=2.7]** Deniz Yildiz Pehlivan. et al. Enhancing fentanyl antinociception and preventing tolerance with α-2 adrenoceptor agonists in rats. BEHAV BRAIN RES. 2024 Feb;457:114726 IHC ;Rat. 37865211
- **[IF=2.33]** Wu, Jian, Peng Li, and Xiuying Wu. "The effect of chronic intermittent hypoxia on respiratory sensitivity to morphine in rats." Sleep and Breathing (2017): 1-7. WB ;="Rat". 28050773