

## Product datasheet for **TA321234**

### Mu Opioid Receptor (OPRM1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide sequence around aa.373~377 (H-P-S-T-A) derived from Human Opioid Receptor.
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	45 kDa
Gene Name:	opiod receptor mu 1
Database Link:	<a href="#">NP_000905</a> <a href="#">Entrez Gene 18390 MouseEntrez Gene 25601 RatEntrez Gene 4988 Human P35372</a>

**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.

**Synonyms:** LMOR; M-OR-1; MOP; MOR; MOR1; OPRM

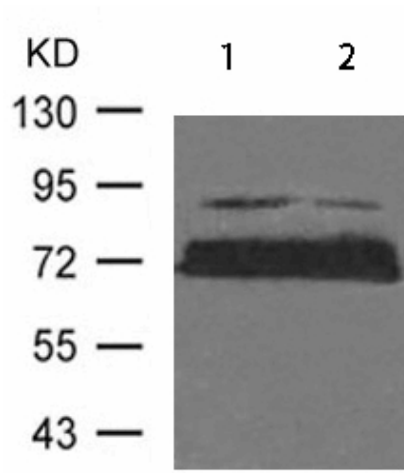
**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction



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## Product images:



Predicted band size: 45 kDa. Positive control: Rat brain and Mouse brain tissue lysate.  
Recommended dilution: 1/ 500-1000. (Gel: 10%SDS-PAGE Lane 1: Rat brain tissue lysate Lane 2: Mouse brain tissue lysate Lysates: 30 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)