



MOR-1 Polyclonal Antibody

Opioid Receptor. AA range:341-390 Specificity MOR-1 Polyclonal Antibody detects endogenous levels of MOR-1 protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms OPRM1; MOR1; Mu-type opioid receptor; M-OR-1; MOR-1; Mu opiate receptor Mu opioid receptor; MOP; hMOP Observed Band 60kD Cell membrane; Multi-pass membrane protein. Cell projection, axon. Perikan, Cell projection, dendrite. Endosome. Is rapidly internalized after agonist binding. ; [Isoform 12]: Cytoplasm. Tissue Specificity Expressed in brain. Isoform 16 and isoform 17 are detected in brain. Function function:Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Receptor for beta-endorphin., online information:Mu opioid receptor entry, polymorphism:Variant Asp-40 does not staltered binding affinities for most opioid peptides and alkaloids tested, but it bir beta-endorphin, an endogenous opioid that activates the mu opioid receptor, approximately 3 times more tightly than the most common allelic form., similantly:Belongs to the G-protein coupled receptor 1 family, subunit.For or complex with G(alpha)z/12 subunits and the RGSZ proteins, RGSZ17 and		
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Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658



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desensitization. Interacts with RGSZ17 and RGSZ20.,

Background	This gene encodes one of at least three opioid receptors in humans; the mu opioid receptor (MOR). The MOR is the principal target of endogenous opioid peptides and opioid analgesic agents such as beta-endorphin and enkephalins. The MOR also has an important role in dependence to other drugs of abuse, such as nicotine, cocaine, and alcohol via its modulation of the dopamine system. The NM_001008503.2:c.118A>G allele has been associated with opioid and alcohol addiction and variations in pain sensitivity but evidence for it having a causal role is conflicting. Multiple transcript variants encoding different isoforms have been found for this gene. Though the canonical MOR belongs to the superfamily of 7-transmembrane-spanning G-protein-coupled receptors some isoforms of this gene have only 6 transmembrane domains. [provided by RefSeq, Oct 2013],
matters needing attention	Avoid repeated freezing and thawing!
Heane suggestions	This product can be used in immunological reaction related experiments. For

Usage suggestions

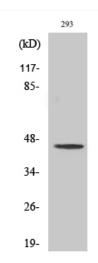
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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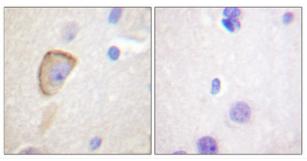




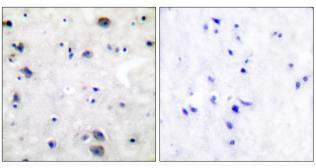
Products Images



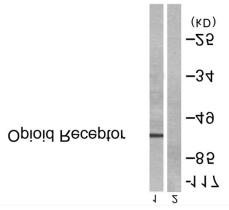
Western Blot analysis of various cells using MOR-1 Polyclonal Antibody diluted at 1:2000



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Opioid Receptor Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 cells, treated with EGF 200ng/ml 30', using Opioid Receptor Antibody. The lane on the right is blocked with the synthesized peptide.

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