

Anti-Mu Opioid Receptor Antibody

CATALOG NO.: A1992-100 (100 µl)

BACKGROUND DESCRIPTION: 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.

ALTERNATE NAMES: MOR1; Mu-type opioid receptor; M-OR-1; MOR-1; Mu opiate receptor; Mu opioid receptor; MOP; hMOP

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: KLH-conjugated synthetic peptide targeting a sequence within the C-term region of human Mu Opioid Receptor

MOLECULAR WEIGHT: 45 kDa

PURIFICATION: Affinity purified

FORM: Liquid

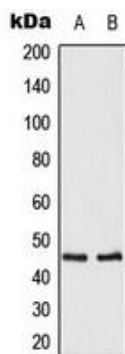
FORMULATION: In 0.42% Potassium phosphate; 0.87% NaCl; pH 7.3; 30% glycerol; and 0.01% sodium azide

SPECIES REACTIVITY: Human, Mouse, Rat, Monkey, Porcine, Bovine

STORAGE CONDITIONS: Store at -20°C. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB 1:500 - 1:1000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of Mu Opioid Receptor expression in A431 (A); NIH3T3 (B) whole cell lysates.

RELATED PRODUCTS:

Phospho Mu Opioid Receptor (Ser375) Antibody (A1966)
 IL-4 Antibody (5137)
 Anti-AGTR2 Antibody (A1063)
 CXCR4 Antibody (5224)