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Phospho-Mu Opioid Receptor(MOR)-S375 Rabbit pAb

Catalog No.: AP0424

Basic Information

Observed MW
95kDa

Calculated MW
45kDa

Category
Polyclonal Antibody

Applications
WB

Cross-Reactivity
Human,Mouse,Rat

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.

Recommended Dilutions

WB   1:500 - 1:2000

Immunogen Information

Gene ID
4988

Swiss Prot
P35372

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
MOP; MOR; LMOR; MOR1; OPRM; M-OR-1; Phospho-Mu Opioid Receptor(MOR)-S375

Contact

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Product Information

Source
Rabbit

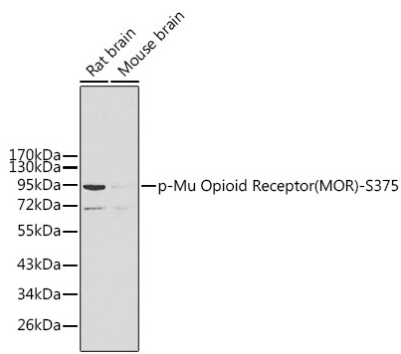**Isotype**
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data

Western blot analysis of lysates from rat brain tissue and mouse brain tissue, using Phospho-Mu Opioid Receptor(MOR)-S375 Rabbit pAb (AP0424).
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% BSA.