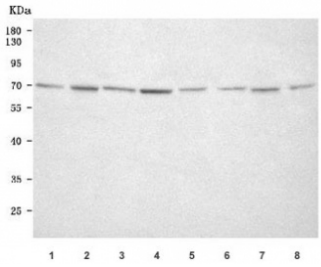
MOR-1 Antibody / Mu-type Opioid Receptor / OPRM1 (RQ8105)

Catalog No.	Formulation	Size
RQ8105	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P35372
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This MOR-1 antibody is available for research use only.



Western blot testing of 1) human SH-SY5Y, 2) human K562, 3) human Jurkat, 4) human U-251, 5) rat brain, 6) rat heart, 7) mouse brain and 8) mouse heart tissue lysate with MOR-1 antibody. Predicted molecular weight: 35-55 kDa (multiple isoforms) but may be observed at higher molecular weights due to glycosylation.

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.

Application Notes

Optimal dilution of the MOR-1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids N33-H321) was used as the immunogen for the MOR-1 antibody.

Storage

After reconstitution, the MOR-1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.