

OPRM1 Recombinant monoclonal antibody

Catalog Number: 83120-6-RR

Basic Information

Catalog Number:

83120-6-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG9637

GenBank Accession Number:

NM_000914.5

GeneID (NCBI):

4988

UNIPROT ID:

P35372-1

Full Name:

opioid receptor, mu 1

Calculated MW:

45 kDa

Observed MW:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

261116A6

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : SH-SY5Y cells, Neuro-2a cells, mouse brain tissue, rat brain tissue, mouse spinal cord tissue, rat spinal cord tissue, fetal human brain tissue

Background Information

OPRM1 (also known as Mu opioid receptor, MOR1, MOP) is a G protein-coupled receptor that mediates the physiological effects of endogenous opioids as well as the structurally distinct opioid alkaloids including morphine and etorphine (PMID: 9618555). Mu opioid receptor modulates a wide range of physiological functions, particularly involved in the control of pain perception and reward properties (PMID: 30483121). Mu opioid receptor is the principal target of opioid drugs. It is encoded by OPRM1 gene and multiple transcript variants encoding different isoforms have been found. Mu opioid receptor contains sites for N-linked glycosylation. The transcript variants and variations of glycosylation may result in migrating bands of Mu opioid receptor (PMID: 21886594; 11359768).

Storage

Storage:

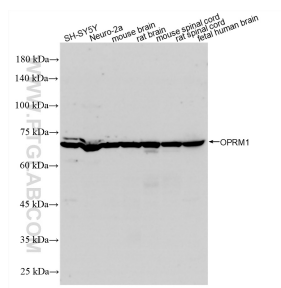
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83120-6-RR (OPRM1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.