

For Research Use Only

OPRM1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 83120-6-PBS



Basic Information

Catalog Number:

83120-6-PBS

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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

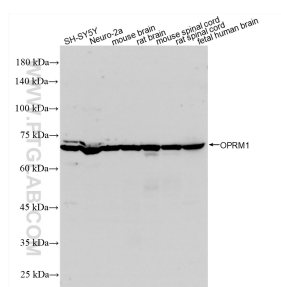
T: 4006900926

E: Proteintech-CN@ptglab.com

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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. This data was developed using the same antibody clone with 83120-6-PBS in a different storage buffer formulation.