

For Research Use Only

OPRM1 Polyclonal antibody, PBS Only

Catalog Number: 27625-1-PBS



Basic Information

Catalog Number:

27625-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24806

GenBank Accession Number:

BC074927

GeneID (NCBI):

4988

UNIPROT ID:

P35372

Full Name:

opioid receptor, mu 1

Calculated MW:

45 kDa

Observed MW:

65-70 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Mu opioid receptor (MOR, also known as 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.

Storage Buffer:

PBS Only

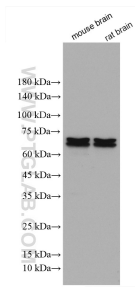
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

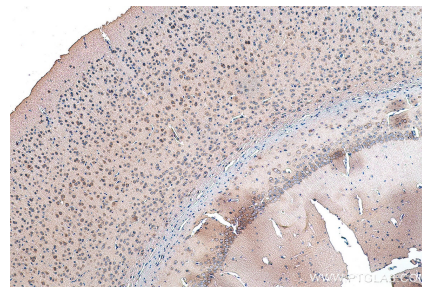
E: proteintech@ptglab.com
W: ptglab.com

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

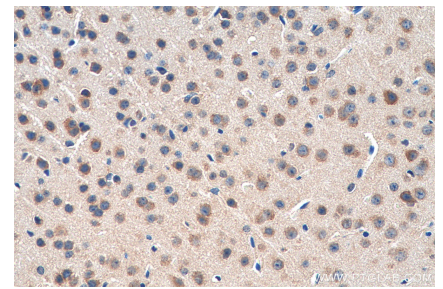
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27625-1-AP (OPRM1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27625-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 27625-1-AP (OPRM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27625-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 27625-1-AP (OPRM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27625-1-PBS in a different storage buffer formulation.