

For Research Use Only

OPRM1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 83120-6-PBS



Basic Information

Catalog Number: 83120-6-PBS	GenBank Accession Number: NM_000914.5	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4988	CloneNo.: 261116A6
Source: Rabbit	UNIPROT ID: P35372-1	
Isotype: IgG	Full Name: opioid receptor, mu 1	
Immunogen Catalog Number: EG9637	Calculated MW: 45 kDa	
	Observed MW: 70 kDa	

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

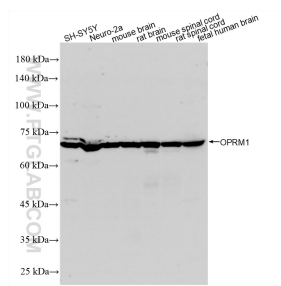
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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)
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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.