

For Research Use Only

OPRM1 Polyclonal antibody

Catalog Number: 28887-1-AP



Basic Information

Catalog Number: 28887-1-AP	GenBank Accession Number: BC074927	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4988	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: P35372	
Isotype: IgG	Full Name: opioid receptor, mu 1	
Immunogen Catalog Number: AG30275	Calculated MW: 45 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SK-N-SH cells,
Species Specificity: human	

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

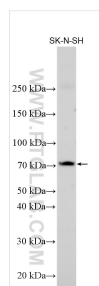
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



SK-N-SH cells were subjected to SDS PAGE followed by western blot with 28887-1-AP (OPRM1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.