

OPRM1 Polyclonal antibody

Catalog Number: 27625-1-AP **1 Publications**

Basic Information

Catalog Number: 27625-1-AP	GenBank Accession Number: BC074927	Purification Method: Antigen affinity purification
Size: 550 µg/ml	GeneID (NCBI): 4988	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P35372	
Isotype: IgG	Full Name: opioid receptor, mu 1	
Immunogen Catalog Number: AG24806	Calculated MW: 45 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue IHC : mouse brain tissue,
Cited Applications: WB, IHC	
Species Specificity: Human, Mouse, Rat	
Cited Species: rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Neili Xu	31865244	Int Immunopharmacol	WB,IHC

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

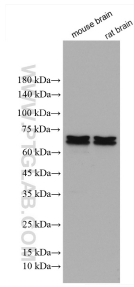
For technical support and original validation data for this product please contact:

T: 4006900926

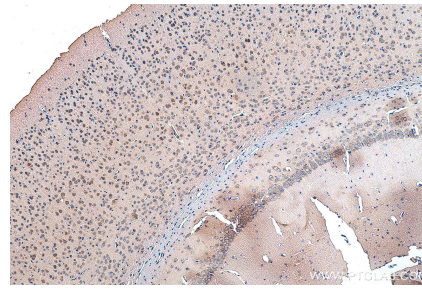
E: Proteintech-CN@ptglab.comW: ptgcn.com

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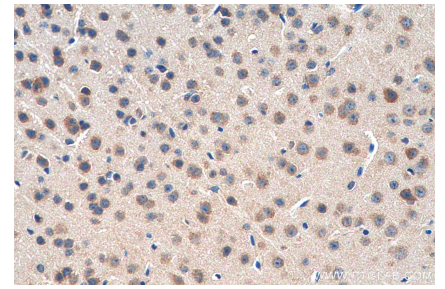
Selected Validation Data



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.



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).



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).