

OPRM1 Rabbit Polyclonal Antibody

Catalog No: #54329

Package Size: #54329-1 50ul #54329-2 100ul

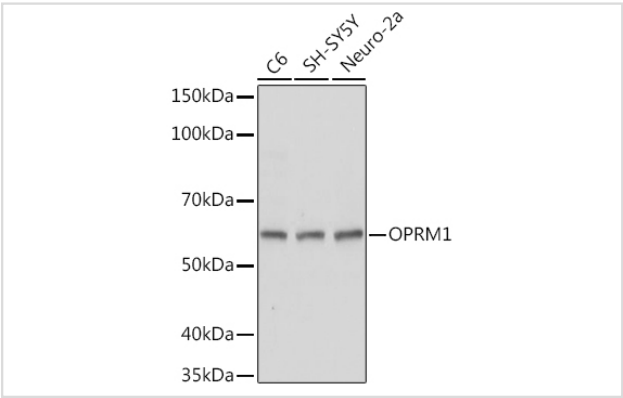
Description

Product Name	OPRM1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human OPRM1 (NP_000905.3).
Conjugates	Unconjugated
Other Names	OPRM1;LMOR;M-OR-1;MOP;MOR;MOR1;OPRM
Accession No.	Swiss Prot:P35372Gene ID:4988
Calculated MW	10-20kDa/33-55kDa
SDS-PAGE MW	Refer to figures
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

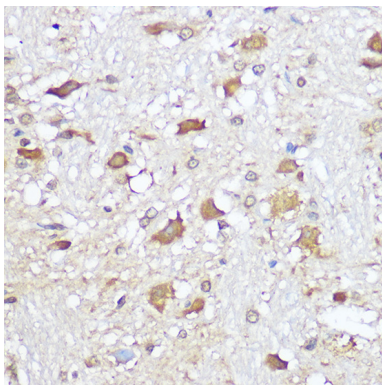
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200IF 1:50 - 1:200

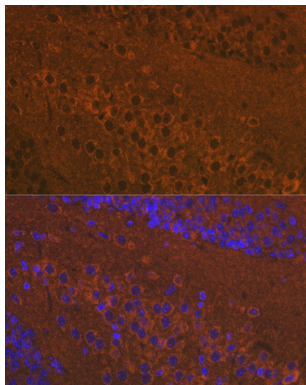
Images



Western blot analysis of extracts of various cell lines, using OPRM1 antibody.



Immunohistochemistry of paraffin-embedded rat brain using OPRM1 Rabbit pAb.



Immunofluorescence analysis of mouse brain using OPRM1 Rabbit pAb.

Background

This gene encodes one of at least three opioid receptors in humans; the mu opioid receptor (MOR). The MOR is the principal target of endogenous opioid peptides and opioid analgesic agents such as beta-endorphin and enkephalins. The MOR also has an important role in dependence to other drugs of abuse, such as nicotine, cocaine, and alcohol via its modulation of the dopamine system. The NM_001008503.2:c.118A>G allele has been associated with opioid and alcohol addiction and variations in pain sensitivity but evidence for it having a causal role is conflicting. Multiple transcript variants encoding different isoforms have been found for this gene. Though the canonical MOR belongs to the superfamily of 7-transmembrane-spanning G-protein-coupled receptors some isoforms of this gene have only 6 transmembrane domains.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.