# **Product Datasheet**

# mu Opioid R/OPRM1 Antibody NBP1-31180

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.



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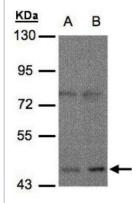
# NBP1-31180

mu Opioid R/OPRM1 Antibody

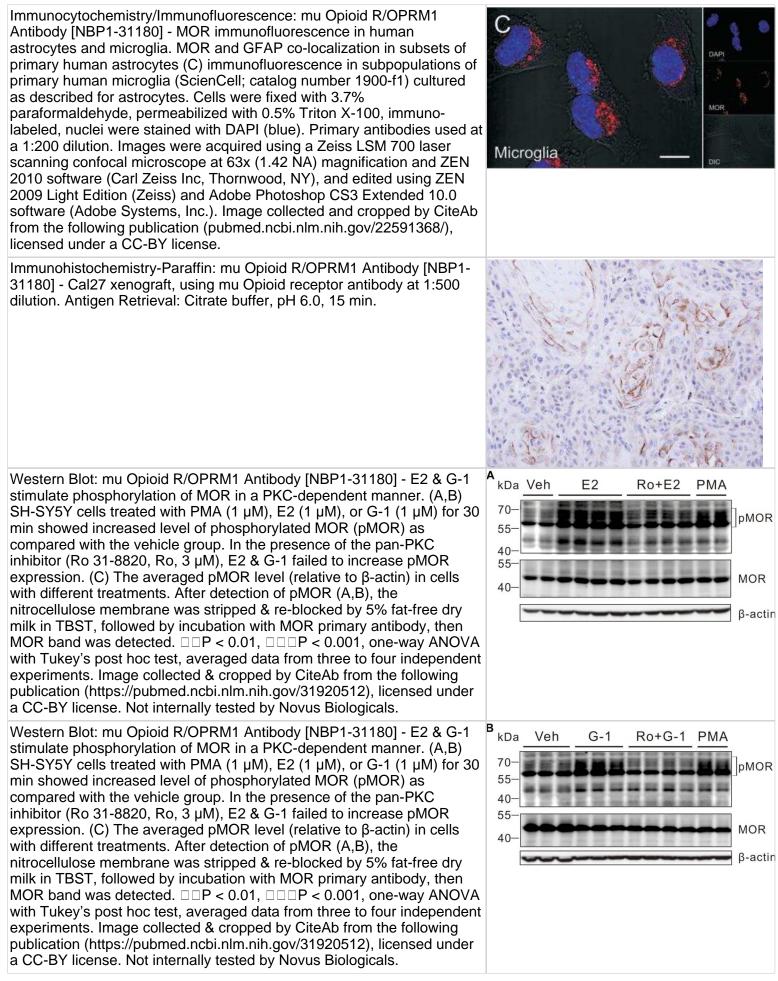
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	45 kDa
Product Description	
Host	Rabbit
Gene ID	4988
Gene Symbol	OPRM1
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non- tested species: Pig (86%), Chimpanzee (86%), Bovine (86%).
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human mu Opioid R/OPRM1. The exact sequence is proprietary.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Flow Cytometry Reported in scientific literature (PMID: 23751259)., Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID: 22591368)., Immunohistochemistry-Paraffin 1:100-1:1000

#### Images

Western Blot: mu Opioid R/OPRM1 Antibody [NBP1-31180] - Sample(30 ug of whole cell lysate) A:A431 B:H1299 7.5% SDS PAGE, antibody diluted at 1:500.









#### **Publications**

Gao T, Dong L, Qian J et al. Gper in the Rostral Ventromedial Medulla is Essential for Mobilizing Descending Inhibition of Itch SSRN Journal 2020-09-25 [PMID: 34349001]

Ding X, Gao T, Gao P et al. Activation of the G Protein-Coupled Estrogen Receptor Elicits Store Calcium Release and Phosphorylation of the Mu-Opioid Receptors in the Human Neuroblastoma SH-SY5Y Cells Front Neurosci 2019-12-17 [PMID: 31920512] (ICC/IF, WB, Human)

El-Hage Nazira, Dever Seth M, Podhaizer Elizabeth M et al. A novel bivalent HIV-1 entry inhibitor reveals fundamental differences in CCR5-u-opioid receptor interactions between human astroglia and microglia. Aids (London, England) 2013-01-01 [PMID: 23751259] (FLOW, Human)

Dever SM, Xu R, Fitting S et al. Differential expression and HIV-1 regulation of mu-opioid receptor splice variants across human central nervous system cell types. J Neurovirol 2012-06-01 [PMID: 22528479]

Hauser KF, Fitting S, Dever SM et al. Opiate Drug Use and the Pathophysiology of NeuroAIDS Curr HIV Res 2012-07 -01 [PMID: 22591368] (ICC/IF, Human)





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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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