antibodies

Datasheet for ABIN701755 anti-Mu Opioid Receptor 1 antibody (AA 165-270)



2 Publications



Overview

Quantity:	100 µL
Target:	Mu Opioid Receptor 1 (OPRM1)
Binding Specificity:	AA 165-270
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Mu Opioid Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human mu Opioid receptor
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Rabbit,Guinea Pig
Purification:	Purified by Protein A.
Target Details	

larget Details

Target:

Mu Opioid Receptor 1 (OPRM1)

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Target Details	
Alternative Name:	mu Opioid receptor (OPRM1 Products)
Background:	Synonyms: MOP, MOR, LMOR, MOR1, OPRM, M-OR-1, Mu-type opioid receptor, MOR-1, Mu
	opiate receptor, Mu opioid receptor, hMOP, OPRM1
	Background: This gene encodes one of at least three opioid receptors in humans, the mu opioi
	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 rol
	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
	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 ϵ
	transmembrane domains. [provided by RefSeq, Oct 2013]
Gene ID:	4988
UniProt:	P35372
Pathways:	cAMP Metabolic Process, Synaptic Membrane
Application Details	
Application Notes:	WB 1:300-5000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only

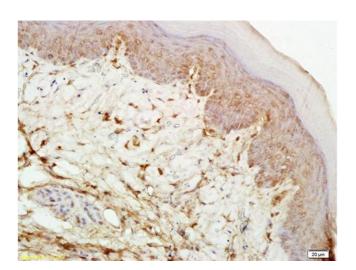
Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

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Handling	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Wu, Li, Wu: "The effect of chronic intermittent hypoxia on respiratory sensitivity to morphine in rats." in: Sleep & breathing = Schlaf & Atmung , Vol. 21, Issue 1, pp. 227-233, (2017) (PubMed).
	Laureano, Dalle Molle, Alves, Luft, Desai, Ross, Silveira: "Intrauterine growth restriction modifies the hedonic response to sweet taste in newborn pups - Role of the accumbal µ-opioid receptors." in: Neuroscience , Vol. 322, pp. 500-8, (2016) (PubMed).

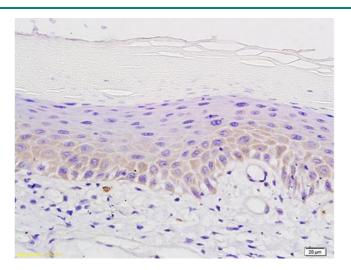
Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse hindfoot tumor labeled with Anti-°-Opioid receptor Polyclonal Antibody, Unconjugated (ABIN701755) followed by conjugation to the secondary antibody and DAB staining

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Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse skin labeled with Anti-°-Opioid receptor Polyclonal Antibody, Unconjugated (ABIN701755) followed by conjugation to the secondary antibody and DAB staining

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