

Datasheet for ABIN6145043
anti-OPRK1 antibody (C-Term)

5 Images

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Overview

Quantity:	100 µL
Target:	OPRK1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPRK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 300 to the C-terminus of human OPRK1 (NP_000903.2).
Sequence:	GSTSHSTAAL SSYYFCIALG YTNSSLNPIL YAFLDENFKR CFRDFCFPLK MRMERQSTSR VRNTVQDPAY LRDIDGMNKP V
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	OPRK1
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Target Details

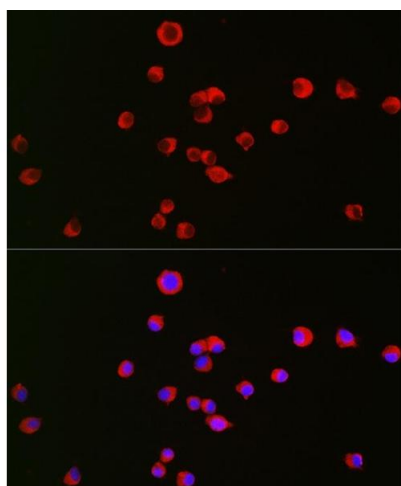
Alternative Name:	OPRK1 (OPRK1 Products)
Background:	<p>This gene encodes an opioid receptor, which is a member of the 7 transmembrane-spanning G protein-coupled receptor family. It functions as a receptor for endogenous ligands, as well as a receptor for various synthetic opioids. Ligand binding results in inhibition of adenylate cyclase activity and neurotransmitter release. This opioid receptor plays a role in the perception of pain and mediating the hypolocomotor, analgesic and aversive actions of synthetic opioids.</p> <p>Variations in this gene have also been associated with alcohol dependence and opiate addiction. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A recent study provided evidence for translational readthrough in this gene and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon.,OPRK1,K-OR-1,KOR,KOR-1,OPRK,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),Neuroscience,OPRK1</p>
Molecular Weight:	33 kDa/42 kDa
Gene ID:	4986
UniProt:	P41145

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

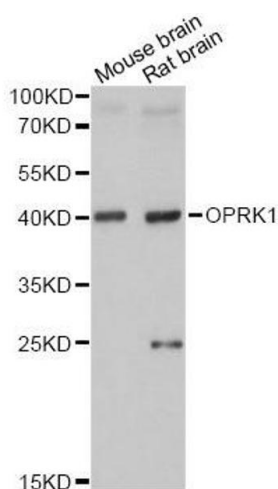
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



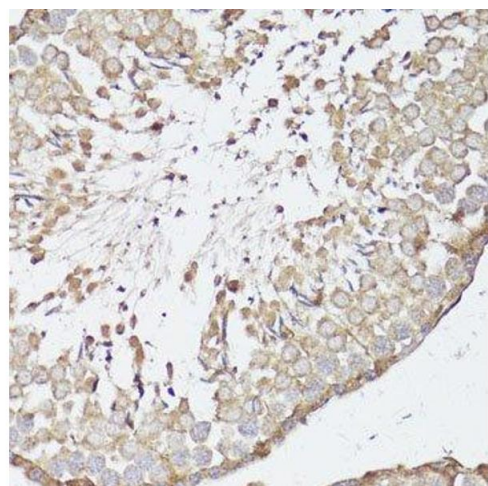
Immunofluorescence

Image 1. Immunofluorescence analysis of Neuro-2a cells using OPRK1 Rabbit pAb (ABIN6134089, ABIN6145043, ABIN6145045 and ABIN6218249) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using OPRK1 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded rat testis using OPRK1 antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6145043.