

Datasheet for ABIN6145044
anti-OPRK1 antibody (AA 1-60)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	OPRK1
Binding Specificity:	AA 1-60
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPRK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-60 of human OPRK1 (NP_000903.2).
Sequence:	MDSPIQIFRG EPGPTCAPSA CLPPNSSAWF PGWAEPDSNG SAGSEDAQLE PAHISPAIPV
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	OPRK1
Alternative Name:	OPRK1 (OPRK1 Products)

Target Details

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>
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Molecular Weight:	33 kDa/42 kDa
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Gene ID:	4986
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UniProt:	P41145
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Application Details

Application Notes:	WB,1:500 - 1:2000
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Comment:	HIGH QUALITY
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Restrictions:	For Research Use only
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Handling

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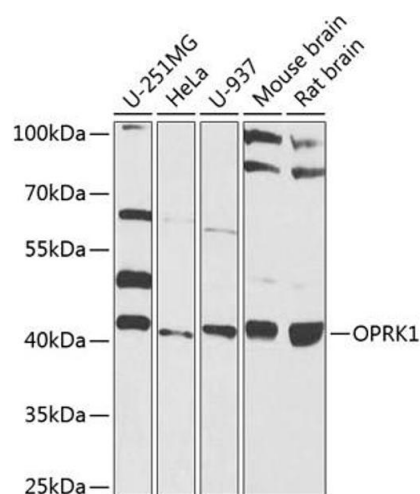
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled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

Image 1. Western blot analysis of extracts of various cell lines, using OPRK1 antibody (ABIN6129425, ABIN6145044, ABIN6145046 and ABIN6224320) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 15s.