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Datasheet for ABIN2788121 anti-OPRL1 antibody (Middle Region)

3 Images



Overview

Quantity:	100 μL
Target:	OPRL1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Cow, Horse, Rabbit, Goat, Sheep, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPRL1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human OPRL1
Sequence:	ISVCYSLMIR RLRGVRLLSG SREKDRNLRR ITRLVLVVVA VFVGCWTPVQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against OPRL1. It was validated on Western Blot.
Purification:	Affinity Purified
Target Details	

Target:	OPRL1
Alternative Name:	OPRL1 (OPRL1 Products)

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Target Details

Background:	The protein encoded by this gene is a G protein-coupled receptor whose expression can be
	induced by phytohemagglutinin. The encoded integral membrane protein is a receptor for the
	17 aa neuropeptide nociceptin/orphanin FQ. This gene may be involved in the regulation of
	numerous brain activities, particularly instinctive and emotional behaviors. A promoter for this
	gene also functions as a promoter for another gene, regulator of G-protein signalling 19
	(RGS19), located on the opposite strand. Three transcript variants encoding the same protein
	have been found for this gene.
	Alias Symbols: KOR-3, MGC34578, NOCIR, OOR, ORL1
	Protein Interaction Partner: GPRASP1, RGS19, GNA14, PNOC,
	Protein Size: 370
Molecular Weight:	41 kDa
Gene ID:	4987
NCBI Accession:	NM_182647, NP_872588
UniProt:	P79292
Application Details	

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 370 AA
Restrictions:	For Research Use only

Handling

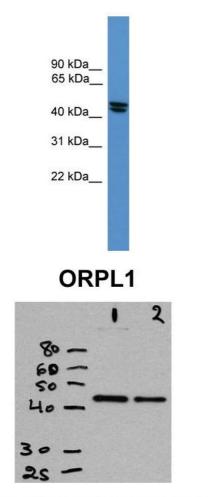
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

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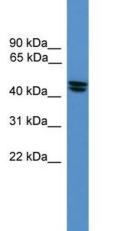
Storage Comment:

For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



See Immunoblot 2 Data and Customer Feedback tab for more information.



Rabbit Anti-OPRL1 Antibody Catalog Number: ARP59570 Lot Number: QC30526 Lane: HepG2 Cell Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 12%

Western Blotting

Image 1. WB Suggested Anti-OPRL1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate

Western Blotting

Image 2. WB Suggested Anti-OPRL1 Antibody Titration: Positive Control: CHO cells

Western Blotting

Image 3. WB Suggested Anti-OPRL1

Antibody Titration: 0.2-1 $\mu g/mL$ ELISA Titer: 1:.12500

Positive Control: HepG2 cell lysate