

Datasheet for ABIN2690091 anti-OPRD1 antibody (AA 81-180)



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1 Image

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Overview

Quantity:	100 µL
Target:	OPRD1
Binding Specificity:	AA 81-180
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPRD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human OPRD1
Isotype:	IgG
Specificity:	This antibody may also have a weak secondary cross-reaction with Mu-type opioid receptor, which is primarily expressed in the adrenal gland and testis. This is predicted based upon a 79 % non-contiguous sequence similarity.
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Chicken,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	OPRD1
Alternative Name:	Delta-type opioid receptor (OPRD1 Products)
Background:	<p>Synonyms: OPRD, Delta-type opioid receptor, D-OR-1, DOR-1, OPRD1</p> <p>Background: G-protein coupled receptor that functions as receptor for endogenous enkephalins and for a subset of other opioids. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling leads to the inhibition of adenylate cyclase activity. Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Plays a role in the perception of pain and in opiate-mediated analgesia. Plays a role in developing analgesic tolerance to morphine.</p>
Gene ID:	4985
UniProt:	P41143
Pathways:	Protein targeting to Nucleus

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 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
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

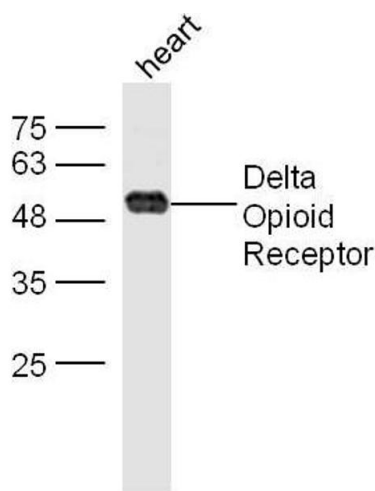
Handling

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).
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Images



Western Blotting

Image 1. Mouse heart lysates probed with Anti-OPRD1 Polyclonal Antibody, Unconjugated at 1:300 overnight at 4°C. Followed by a conjugated secondary antibody -HRP) at 1:5000 for 90 min at 37°C.