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Datasheet for ABIN2690092  
**anti-OPRD1 antibody (AA 81-180) (Biotin)**

### Overview

Quantity:	100 µL
Target:	OPRD1
Binding Specificity:	AA 81-180
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPRD1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

### 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

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Target:	OPRD1
Alternative Name:	Delta-type opioid receptor ( <a href="#">OPRD1 Products</a> )
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:	<a href="#">P41143</a>
Pathways:	<a href="#">Protein targeting to Nucleus</a>

## Application Details

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Application Notes:	WB 1:300-5000
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months