

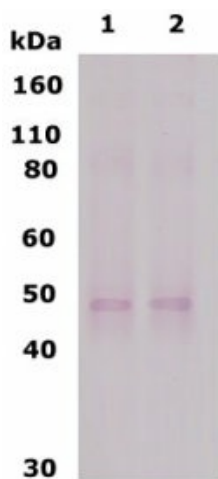
Product datasheet for RA19072-100

Delta Opioid Receptor (OPRD1) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	State: Aff - Purified
Gene Name:	Homo sapiens opioid receptor, delta 1 (OPRD1)
Database Link:	Entrez Gene 24613 Rat Entrez Gene 4985 Human
Synonyms:	OPRD1, OPRD, DOR-1, D-OR-1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction

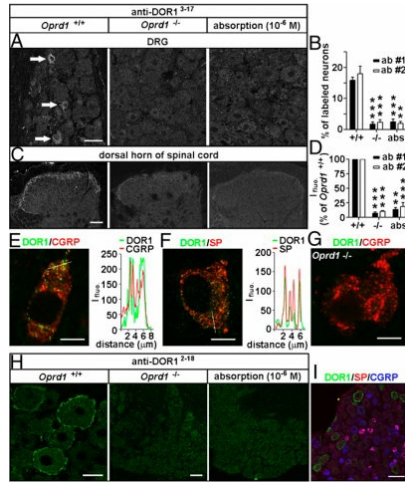
Product images:



Western blot analysis with DOR at a dilution of 1:500. Lane 1: 10 ug of human brain lysate and Lane 2: 10 ug rat brain lysate

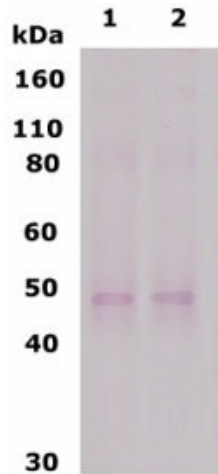


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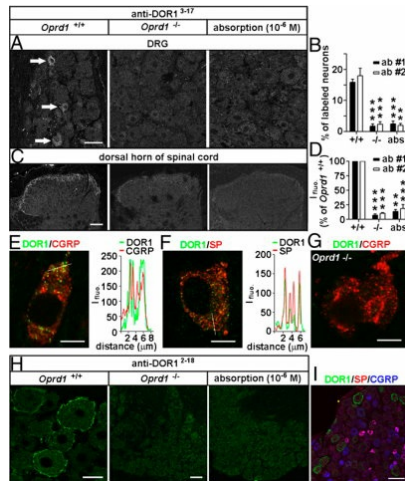


Distinct distribution patterns of DORs in subsets of DRG neurons of mice. Immunostaining with antibodies against DOR13–17 [A: 1:30,000, antibody 1 (ab #1); DiaSorin and C: antibody 2 (ab #2); Neuromics] shows DORs in small DRG neurons and afferent fibers in spinal laminae I–II. This immunostaining pattern is abolished by the antiserum preabsorption or the deletion of *Oprdf* exon 1. Reduction in immunostaining is quantitatively assayed by determining the percentage of positive DRG neurons (B; n = 6) and fluorescence intensity (I_{fluor}) in the laminae I–II (D; n = 5). **P < 0.01; ***P < 0.001. (Scale bars: A and C, 40 μm.). DOR labeling (anti-DOR13–17, 1:30,000; DiaSorin) associated with vesicles in peptidergic small DRG neurons (E and F) is absent in *Oprdf* exon 1-deleted mice (G). Colocalization of DORs and neuropeptides is shown by correlated peaks of I_{fluor} measured along lines. (Scale bar: 8 μm.) (H) Immunostaining with antibodies against DOR12–18 (1:60,000; Alomone) shows the presence of DORs on the cell surface of large DRG neurons of mice. (Scale bar: 25 μm.) This staining pattern is abolished by preabsorption and is absent in *Oprdf* exon 1-deleted mice. (Scale bar: 80 μm.) (I) Triple-immunostaining shows that DOR+ large DRG neurons contain neither SP nor CGRP. (Scale bar: 80 μm.).

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