

# NEUROMICS



## Delta Opioid Receptor<sup>361-372</sup>

## Data Sheet

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<b>Catalog Number:</b>	RA19073	<b>Host:</b>	Rabbit
<b>Product Type:</b>	Affinity Purified Antibody	<b>Species Reactivity:</b>	Human; Rat; Mouse
<b>Immunogen Sequence:</b>	Synthetic peptide comprising residues 361-372 TPSDGPGGGAAA of the human DOR-1 protein. Reacts with mouse and rat DOR-1.	<b>Format:</b>	Liquid. 100 ug in 100 ul (1 mg/ml) in PBS containing 0.02% sodium azide
<b>Applications:</b>	Western blot: 1:500-1,000 dilution Immunohistochemistry-1:500-1:1,500 Immunofluorescence:1:500-1:1,500		

\*Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

<b>Storage:</b>	Maintain at +2-8°C for 3 months or at -20°C for longer periods. Stable for 1 year. <i>Avoid repeated freeze-thaw cycles.</i>
<b>References:</b>	Evans, C. J., Keith, D. E. Jr., Morrison, H., Magendzo, K. and Edwards, R.H. Cloning of a delta opioid receptor by functional expression. <i>Science</i> 258 (5090), 1952-1955 (1992).  Gaveriaux, C., Peluso, J., Simonin, F., Laforet, J. and Kieffer, B. Identification of kappa- and delta-opioid receptor transcripts in immune cells. <i>FEBS Lett.</i> 369 (2-3), 272-276 (1995).  Scherrer, G., Tryoen-Toth, P., Filliol, D., Matifas, A., Laustriat, D., Cao, Y.Q., Basbaum, A.I., Dierich, A., Vonesh, J.L., Gaveriaux-Ruff, C. and Kieffer, B.L. Knockin mice expressing fluorescent delta-opioid receptors uncover G protein-coupled receptor dynamics in vivo. <i>Proc. Natl. Acad. Sci. U.S.A.</i> 103 (25), 9691-9696 (2006).

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### Application Notes

#### Western Blot:

The antibody may detect dimers or trimers on a Western blot as heterodimerization and homodimerization is common with the opioid receptors; however the monomer should be the dominant DOR-1 band at about 48 kDa.

### FOR RESEARCH USE ONLY

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