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<b>Catalog Number:</b>	RA10101	<b>Host:</b>	Rabbit
<b>Product Type:</b>	Polyclonal antiserum	<b>Species Reactivity:</b>	Mouse, Rat
<b>Immunogen Sequence:</b>	TACTPSDGPGGGAAA Corresponding to residues 358-372 of rat delta opioid receptor	<b>Format:</b>	Whole Serum (with 0.05% sodium azide) Sent in liquid format

**Applications:** Immunocytochemistry 1:1000  
Dilutions listed only as a recommendation. Optimal dilution should be determined by investigator.

**Storage:** Store frozen. Aliquot as undiluted serum and immediately place at -20°C. Serum may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6 months at -20°C. Repeated freeze/thaw cycles compromise the integrity of the antiserum.

**References:** Abood, M. E., Noel, M. A., Farnsworth, J. S., and Tao, Q. (1994). *Molecular cloning and expression of a delta-opioid receptor from rat brain*. J Neurosci Res 37, 714-9.

Ko, J. L., Arvidsson, U., Williams, F. G., Law, P.Y., Elde, R., and Loh, H. H. (1999). *Visualization of time-dependent redistribution of delta-opioid receptors in neuronal cells during prolonged agonist exposure*. Brain Res Mol Brain Res 69, 171-85.

Kieffer, B. L., Befort, K., Gaveriaux-Ruff, C., and Hirth, C. G. (1992). *The delta-opioid receptor: isolation of a cDNA by expression cloning and pharmacological characterization*. Proc Natl Acad Sci U S A 89, 12048-52.

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### Application Notes

**Immunocytochemistry:** Delta Opioid Receptor<sup>358-372</sup> transfected cells were processed for indirect immunofluorescence. Media was removed and cells were gently washed 3 times with serum-free media. Media was removed and cells were gently washed 3 times with serum-free media. Following fixation procedure, cells were processed for indirect immunofluorescence as described above.

Antiserum does not recognize the delta opioid receptor in neuronal tissue. The antiserum only works on transfected cells. It is not recommended for tissue section staining. For studies of neuronal tissue, use the Delta Opioid Receptor<sup>3-17</sup> antiserum (Catalog #RA10100).

*Note:* Sodium azide (NaN<sub>3</sub>) interferes with peroxidase reactions and should not be used with peroxidase methodologies. If sodium azide is present in any steps of the staining procedure, the tissue should thoroughly be rinsed with sodium azide-free buffer before performing the peroxidase reaction.

### FOR RESEARCH USE ONLY

NEUROMICS REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RISKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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