



## Endomorphin-1 and 2

## Data Sheet

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<b>Catalog Number:</b>	RA21002	<b>Host:</b>	Rabbit
<b>Product Type:</b>	Rabbit Polyclonal IgG	<b>Species Reactivity:</b>	Human, Mouse, and Rat
<b>Immunogen Sequence:</b>	Endomorphin-1 conjugated to BSA.	<b>Format:</b>	Lyophilized from 10 mM PBS.
<b>Applications:</b>	Immunohistochemistry: 5-10 ug/ml Immunofluorescence: 5-15 ug/ml		
<b>Storage:</b>	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator. The product can be stored as supplied for up to 12 months at 2°C-4°C. After reconstitution, aliquot and store at -20°C for higher stability or at 4°C with an appropriate antibacterial agent. Avoid freeze thaw-cycles.		

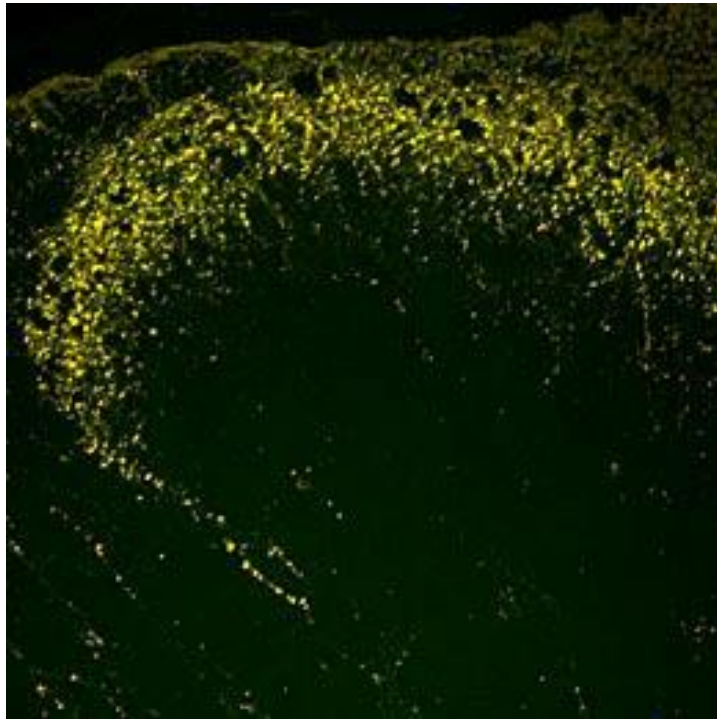
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### Application Notes

#### Description/Data:

Endomorphins 1 and 2 are endogenous opioid peptides which have the highest affinity for the mu-opioid receptors. Located in various parts of the brain and interact with mu-opioid receptors and produces analgesia.

*Images: Immunohistochemical staining of Endomorphin-1&2 in rat spinal cord dorsal horn. Brain was fixed with 4% formaldehyde and cut into 10 µm thick cryostat sections. Tissue was incubated with rabbit polyclonal antibody to Endomorphin-1&2 at 5 µg/mL overnight at 4°C followed by incubation with Donkey anti-rabbit FITC secondary antibodies at 1:100.*



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