



Endomorphin 2

Data Sheet

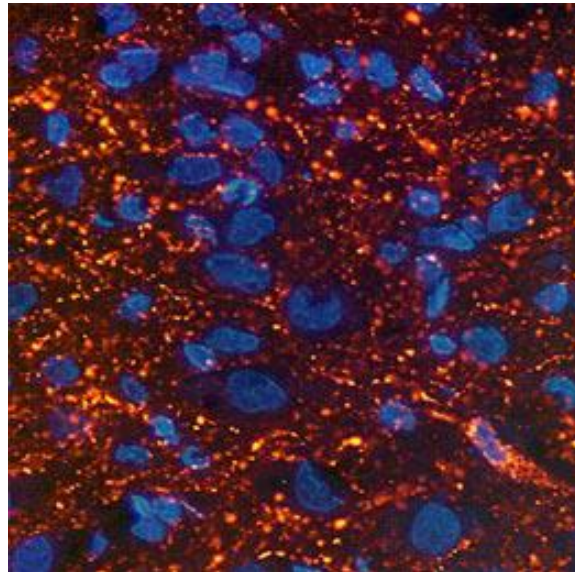
Catalog Number:	RA21015	Host:	Rabbit
Product Type:	Rabbit Polyclonal IgG	Species Reactivity:	Human, Mouse, and Rat
Immunogen Sequence:	Endomorphin-1 conjugated to BSA.	Format:	Lyophilized from 10 mM PBS.
Applications:	Immunohistochemistry: 5-10 ug/ml Immunofluorescence: 5-15 ug/ml Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
Storage:	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.		

Application Notes

Description/Data:

Endomorphin 2 is an opioid peptide and is one of the two endomorphins, with the other one being endomorphin 1. It binds to the mu opioid receptor, along with endomorphin 1. Endomorphin 2 is very prevalent in the spinal cord. Upon binding to the mu opioid receptor, endomorphin 2 leads to the release of dynorphin A and met-enkephalin.

Images: Immunohistochemical staining of Endomorphin 2 in rat ventral lateral periaqueductal grey matter (PAG). 4% paraformaldehyde fixed rat brain 10 µm thick cryostat sections were incubated with rabbit polyclonal antibody to Endomorphin 2 at 10 µg/mL overnight at 4°C followed by incubation with Donkey anti-rabbit Rhodamine Red conjugated secondary antibodies at 1:200. Tissue was counterstained with DAPI (blue color) to visualize cell nuclei.



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