Rabbit polyclonal antibody to Endomorphin-1 (1-4): Affinity purified

Catalogue No.:	R-1494-50
Description:	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 interacts with mu-opioid receptors and produces analgesia.
Batch No.:	See product label
Unit size:	50 ug
Antigen:	Synthetic human Endomorphin-1 (YPWF) peptide conjugated to BSA. Selectivity towards Endomorphin-1 was achieved by separating fraction of affinity purified antibodies which did not bind to Endomorphin-2.
Sequence:	YPWF
Antigen Location:	1-4 aa
Other Names:	EM 1;
Produced in:	Rabbit
Applications:	A dilution of 5-10 ug/mL is recommended for immunohistochemistry using formalin fixed and paraffin embedded tissues and for 4% paraformaldehyde fixed frozen tissues. A dilution of 5-15 ug/mL is recommended for immunofluorescence. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Species Against:	Human
Antibody Against:	Endomorphin-1
Cross-reactivity:	Human; mouse; rat. Endomorphin-1 is highly conserved so cross-reactivity with other species is expected. Cross-reactivity with other opioid peptides is as follows: with Endomorphin-2
Form:	Lyophilised with BSA
Appearance:	White powder
Reconstitution:	Reconstitute in 0.05 mL of PBS (pH 7.4) to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability and at 2-8C with an appropriate antibacterial agent. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase

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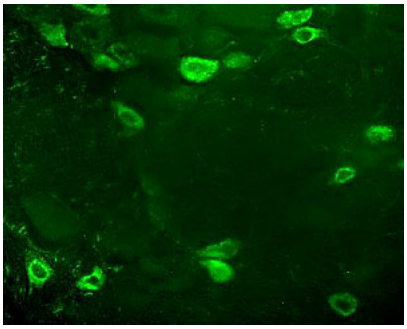

Immunohistochemical staining in rat dorsal root ganglion (DRG). 4% paraformaldehyde fixed rat brain crystostat sections (10 µm) were incubated overnight at 4°C with Rabbit polyclonal antibody to Endomorphin-1 (5 µg/ml) followed by incubation with FITC conjugated secondary antibody.

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