



## Rabbit polyclonal antibody to Endomorphin-2 (1-4): Affinity purified

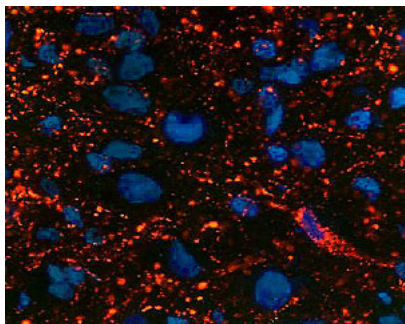
<b>Catalogue No.:</b>	R-1496-50
<b>Description:</b>	Endomorphins 1 and 2 are endogenous opioid peptides which have the highest affinity for the mu-opioid receptors. Located in various parts of the brain and interacts with mu-opioid receptors and produces analgesia.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	50 µg
<b>Antigen:</b>	Synthetic Endomorphin-2 (YPFF) peptide conjugated to BSA. Selectivity towards Endomorphin-2 was achieved by separating fraction of affinity purified antibodies which did not bind to Endomorphin-1.
<b>Sequence:</b>	YPFF
<b>Other Names:</b>	EM 2;
<b>Produced in:</b>	Rabbit
<b>Applications:</b>	A dilution of 5-10 µg/ml is recommended for immunohistochemistry using formalin fixed and paraffin embedded tissues and for 4% paraformaldehyde fixed frozen tissues. A dilution of 5-15 µg/ml is recommended for immunofluorescence. . Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Species Against:</b>	Human
<b>Antibody Against:</b>	Endomorphin-2
<b>Cross-reactivity:</b>	Human; mouse; rat.
<b>Form:</b>	Lyophilised with BSA
<b>Appearance:</b>	White powder
<b>Reconstitution:</b>	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.
<b>Storage:</b>	At least 12 months after purchase at 2 - 4°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability and at 4°C with an appropriate antibacterial agent. Avoid freeze-thaw cycles
<b>Expiry Date:</b>	12 months after purchase

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FOR RESEARCH USE ONLY



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Immunohistochemical staining in rat ventral periaqueductal grey matter (PAG). 4% paraformaldehyde fixed rat brain cryostat sections (10  $\mu$ m) were incubated overnight at 4°C with Rabbit polyclonal antibody to Endomorphin-2 (10  $\mu$ g/ml) followed by incubation with donkey anti-rabbit Rhodamine Red conjugated secondary antibody (1:200).

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