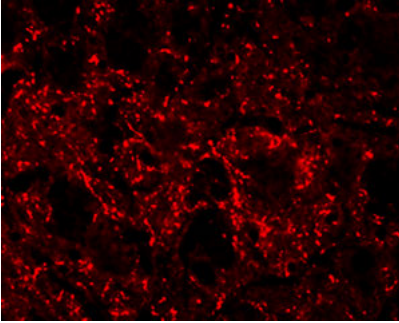


Rabbit polyclonal antibody to human Met-Enkephalin (237-241)

Catalogue No.:	R-1499-50
Description:	Human Methionine enkephalin (Met-Enkephalin) is a small 5 amino acid peptide cleaved from the precursor pro-opiomelanocortin (POMC). Met-Enkephalin is an endogenous opioid peptide that interacts with opioid receptors and produces analgesic effects. Pro-opiomelanocortin gives rise to 10 other short peptides as well. See Uniprot.org for details and https://en.wikipedia.org/wiki/Met-enkephalin for more information on Met-Enkephalin
Batch No.:	See product label
Unit size:	50 ug
Antigen:	Synthetic human Met-enkephalin peptide (237-241) conjugated to BSA.
Sequence:	YGGFM
Antibody Type:	polyclonal rabbit IgG
Other Names:	Pro-opiomelanocortin; POMC;(parent gene);metenkefalin;opioid growth factor (OGF);
Accession:	P01189 COLI_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified
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. IHC Positive control:Brain (spinal cord, dorsal root ganglia). Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Met-Enkephalin. Met-Enkephalin is highly conserved so cross-reactivity with other species Met-Enkephalin is expected.
Species Against:	Human
Antibody Against:	Met-Enkephalin
Cross-reactivity:	Human; mouse; rat, other species expected. Cross-reactivity with other opioid peptides is as follows: with Leu-enkephalin 5.8%; with beta-lipotropin 0.01%; with beta-endorphin 0.01%
Form:	Lyophilised with BSA. Product is lyophilized from a solution of purified antibody, PBS, and BSA containing no preservatives.
Appearance:	White powder
Reconstitution:	Reconstitute in 0.05 mL of PBS (pH 7.4). 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 (unopened)

FOR RESEARCH USE ONLY

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Immunohistochemical staining in rat brainstem medulla. 4% paraformaldehyde fixed rat brain cryostat sections (10 μm) were incubated overnight at 4°C with Rabbit polyclonal antibody to human Met-Enkephalin (10 $\mu\text{g}/\text{ml}$) followed by incubation with donkey anti-rabbit Rhodamine Red conjugated secondary antibody (1:200).

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