

Product datasheet

anti-Enkephalin rabbit polyclonal, serum

Short overview

Cat. No.	16020
Quantity	50 µl (lyoph.)

Product description

Host	Rabbit
Antibody Type	Polyclonal
Immunogen	Synthetic met-enkephalin (Sigma), conjugated to BSA
Formulation	Lyophilized; reconstitute in 100 µl dist. water
UniprotID	P04094 (Rat)
Conjugate	Unconjugated
Purification	Undiluted antiserum
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC
Reactivity	Cat, Pig, Rat

Applications

Immunohistochemistry (IHC) - frozen	1:400-1:800
Immunohistochemistry (IHC) - paraffin	1:400-1:800 (microwave treatment recommended)

Background

Enkephalins are small peptides derived from large precursors (pro-enkephalin A and B) containing multiple enkephalin copies. They are the most abundant opioid peptides in the body and are widely distributed in the brain and the peripheral nervous system and occur also in the adrenal medulla. Several types of neuroendocrine tumors, incl. pheochromocytomas, neuroblastomas and bronchial and gastrointestinal endocrine tumors, produce enkephalin. Absorption with 10-100 µg immunogen per ml diluted antiserum abolishes the staining, while beta-endorphin does not. Cross-reacts with leu-enkephalin.

Positive control: Frozen sections of cat or pig small intestine.

Product images



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References

Publication	Species	Application
Ekblad, E., Alm, P. & Sundler, F. Distribution, origin and projections of nitric oxide synthase-containing neurons in gut and pancreas. Neuroscience 63, 233â€“248 (1994).	rat, guinea pig	whole mount
Kirchgessner, A. L. & Gershon, M. D. Identification of vagal efferent fibers and putative target neurons in the enteric nervous system of the rat. J. Comp. Neurol. 285, 38â€“53 (1989).	rat	IHC (free floating sections)
Thesleff, P. et al. A mixed endocrine adrenal tumour causing steatorrhoea. Gut 28, 1298â€“301 (1987).	human	IHC (frozen)