Polyclonal Antibody to 
Enkephalin

Category
Rabbit polyclonal

Form/Purification
Undiluted rabbit serum (lyoph.)

Immunogen
Synthetic met-enkephalin (Sigma), conjugated to BSA

Description/Specificity
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 ß-endorphin does not.

Positive Control
Bouin-fixed paraffin sections of cat ileum.

Species tested so far
Pig, cat, rat

Application
• Immunohistochemistry, Immunofluorescence
• Suitable for frozen and paraffin sections

Reconstitution
Dissolve the antiserum in 50 - 100 µl distilled water, and dilute further in 0.1 M PBS with 1% BSA and 0.1% NaN₃.

Working Dilution
1:400 – 1:800 (using FITC) with overnight incubation at 2-8°C.

Storage
At 2-8°C (lyoph.) or at -20°C (aliquots)

Quantity / Volume
50 µl (lyoph.)

References

Cat. No. 16020