



Catalog Number:	RA14124	Host:	Rabbit
Product Type:	Whole serum, Rabbit IgG	Species Reactivity:	Mouse, rat
Immunogen Sequence:	CSYSKEVPEMEKRYGGFMRF Conjugated to KLH	Format:	Serum, 0.05% Sodium Azide.
Applications:	Immunohistochemistry-1:1,000 Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
Storage:	Store frozen. Aliquot as undiluted antisera and immediately place at -20°C. Antisera may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6 months at -20°C. Repeated freeze/thaw cycles compromise the integrity of the antiserum.		
References:	Martin Novak, Briac Halbout, Eoin C. O'Connor, Jan Rodriguez Parkitna, Tian, Su, Minqiang Chai, Hans S. Crombag, Ainhoa Bilbao, Rainer Spanagel, David N. Stephens, Günther Schütz, and David Engblom. Incentive Learning Underlying Cocaine-Seeking Requires mGluR5 Receptors Located on Dopamine D1 Receptor-Expressing Neurons. J. Neurosci., Sep 2010; 30: 11973 - 11982 ; doi:10.1523/JNEUROSCI.2550-10.2010.		

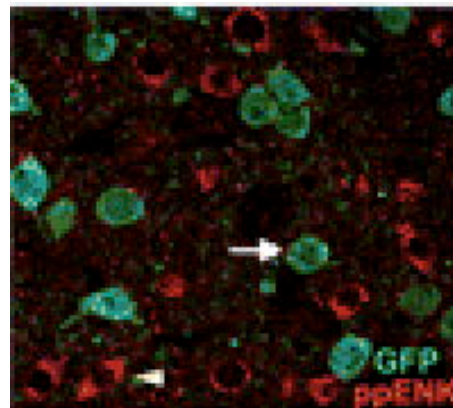
Application Notes

Antibody was screen on rat and mouse brain and spinal cord. Both processes and cell bodies were observed.

Description/Data:

Met-enkephalin (tyr-gly-gly-phe-met) and leu-enkephalin (tyr-gly-gly-phe-leu) are pentapeptides which compete with and mimic the effects of opiate drugs. Although interest in enkephalins stems largely from their possible role in the brain, the richest source of these peptides is the adrenal gland. The amino acid sequence shows that the precursor is 267 amino acids long and contains 6 interspersed Met-enkephalin sequences and 1 Leu-enkephalin sequence. The precursor does not contain the sequences of dynorphin, alpha-neo-endorphin or beta-endorphin. (Because of structural similarities it had been postulated that beta-endorphin is precursor of Met-enkephalin, and that dynorphin or alpha-neo-endorphin is precursor of Leu-enkephalin.) It is involved in the modulation of nociceptive pain. ppENK may be capable of enhancing immune function in cancer or AIDS patients.

Image: Expression of ppENK in mouse striatal medium spiny neurons (MSNs). The Journal of Neuroscience, 8 September 2010, 30(36): 11973-11982;doi: 10.1523/JNEUROSCI.2550-10.2010.



FOR RESEARCH USE ONLY

NEUROMICS' REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RISKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.-V3/08/2012