PAG003Mu01
Polyclonal Antibody to Neuropeptide FF (NPFF)
Organism Species: Mus musculus (Mouse)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: NPFF, Mouse
Clonality: Polyclonal
Host: Rabbit
Immunoglobulin Type: IgG
Purification: Affinity Chromatography.
Applications: WB, ICC, IHC-P, IHC-F, ELISA
Concentration: 200μg/mL
UOM: 100μg

[IMMUNOGEN INFORMATION]

Immunogen: Synthetic Peptide NPFF Conjugated to OVA.
Accession No.: CPG003Mu71
Sequence: The target protein sequence is listed below.
FLFQPQRF

[RELEVANCE]

Neuropeptide FF(NPFF) is a mammalian amidated neuropeptide originally isolated from bovine brain and characterized as a pain-modulating peptide, with anti-opioid activity on morphine-induced analgesia. NPFF and opioid systems have been shown to interact at several levels, from animal behavior to receptor molecules. Nociception is the physiological function in which this interaction has been the most extensively studied but reward, locomotion, feeding and intestinal motility are also affected.

[ANTIBODY SPECIFITY]

The antibody is a rabbit polyclonal antibody raised against NPFF. It has been selected for its ability to recognize NPFF in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400
Immunocytochemistry in formalin fixed cells: 1:100-500
Immunohistochemistry in formalin fixed frozen section: 1:100-500
Immunohistochemistry in paraffin section: 1:50-200
Enzyme-linked Immunosorbent Assay: 1:100-200
Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN_3, 50% glycerol.

[STORAGE]

Store at 4ºC for frequent use. Stored at -20ºC to -80ºC in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.