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Nociceptin Rabbit pAb

Catalog # AP99912

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q13519
Other Accession	Q13519
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20295
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Nociceptin
Epitope Specificity	130-146/176
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the opioid neuropeptide precursor family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Nociceptin/orphanin FQ (N/OFQ), a 17-amino acid neuropeptide, is the endogenous ligand for the nociceptin receptor (NOP, ORL-1), and initiates its function to act on numerous brain activities such as pain sensation and fear learning. It is derived from the prepronociceptin protein, as are a further 2 peptides, nocistatin & NocII, which inhibit the N/OFQ receptor function. Nociceptin itself acts as a potent anti-analgesic, effectively counteracting the effect of pain-relievers. The gene coding for prepronociceptin is located on Ch8p21 in humans. Nociceptin acts at the Nociceptin receptor (NOP receptor) formerly known as ORL1.

Additional Information

Gene ID	5368
Other Names	N/OFQ; NOP; OFQ; PPNOC; ppN/OFQ; Npnc1; OFQ/N; N23K; PNOC_HUMAN; PNOC; PNOC_MOUSE; N23K/N27K; PNOC_RAT; prepronociceptin; nocistatin; orphanin FQ
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PNOC
Synonyms	OFQ
Function	[Nociceptin]: Ligand of the opioid receptor-like receptor OPRL1. It may act as a transmitter in the brain by modulating nociceptive and locomotor behavior. May be involved in neuronal differentiation and development.
Cellular Location	Secreted.
Tissue Location	Predominantly expressed in the brain and spinal cord. Also expressed and secreted by peripheral blood neutrophils following degranulation.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.