10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PNOC Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9313c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q13519
Other Accession	Q62923, Q64387, O62647
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21156
Calculated MW	20295
Antigen Region	126-151

Additional Information

Gene ID	5368
Other Names	Prepronociceptin, Neuropeptide 1, Nociceptin, Orphanin FQ, PPNOC, Neuropeptide 2, PNOC, OFQ
Target/Specificity	This PNOC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 126-151 amino acids from the Central region of human PNOC.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PNOC Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

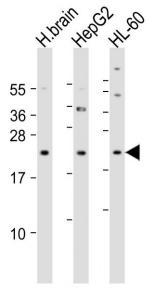
Background

PNOC is the ligand of the opioid receptor-like receptor (OPRL1). It may act as a transmitter in the brain by modulating nociceptive and locomotor behavior. This protein may be involved in neuronal differentiation and development

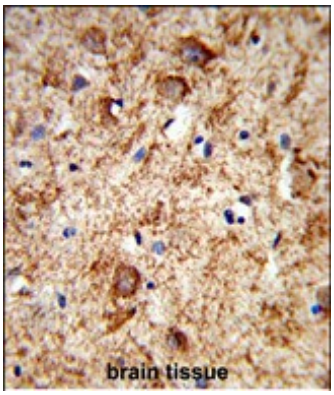
References

Kuzmin,A., et.al., Brain Res. 1305 SUPPL, S80-S85 (2009)
Rocha,L., et.al., Neurobiol. Dis. 35 (3), 466-473 (2009)
de Krom,M., et.al., Biol. Psychiatry 65 (7), 625-630 (2009)

Images



All lanes : Anti-PNOC Antibody (Center) at 1:4000 dilution Lane 1: human brain lysate Lane 2: HepG2 whole cell lysate Lane 3: HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 20 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human brain tissue reacted with PNOC Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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