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

Specification

PNOC Antibody (Center) - Product Information

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

PNOC Antibody (Center) - 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~~1:4000
IHC-P~~1:50~100

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.

PNOC Antibody (Center) - 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.

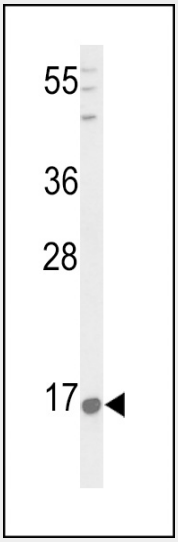
Tissue Location
Predominantly expressed in the brain and spinal cord. Also expressed and secreted by peripheral blood neutrophils following degranulation.

PNOC Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

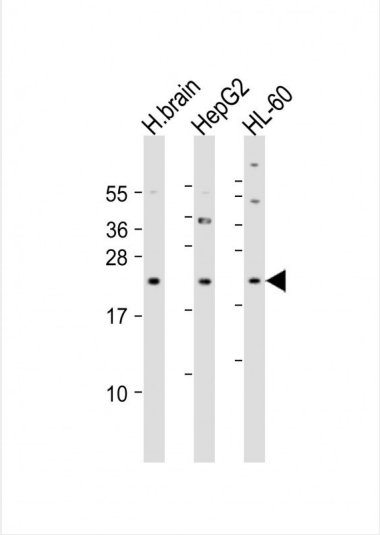
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PNOC Antibody (Center) - Images

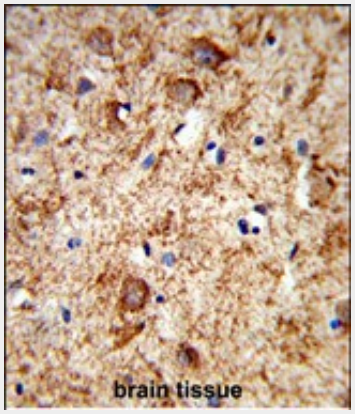


Western blot analysis of PNOC Antibody (Center) (Cat. #AP9313c) in HepG2 cell line lysates (35ug/lane). PNOC (arrow) was detected using the purified Pab.

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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.

PNOC Antibody (Center) - 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

PNOC Antibody (Center) - 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)