

**PNOC Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9313c**

**Specification**

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**PNOC Antibody (Center) - Product Information**

|                   |  |
|-------------------|--|
| Application       | <b>WB, IHC-P,E</b>   |
| Primary Accession | <a href="#">O13519</a>   |
| Other Accession   | <a href="#">O62923</a> , <a href="#">O64387</a> , <a href="#">O62647</a> |
| Reactivity        | <b>Human</b>   |
| Predicted         | <b>Bovine, Mouse, Rat</b>  |
| Host              | <b>Rabbit</b>  |
| Clonality         | <b>Polyclonal</b>  |
| Isotype           | <b>Rabbit IgG</b>  |
| Antigen Region    | <b>126-151</b>   |

**PNOC Antibody (Center) - Additional Information**

**Gene ID** 5368

**Other Names**

Prepronociceptin, Neuropeptide 1, Nociceptin, Orphanin FQ, PPNOG, 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.

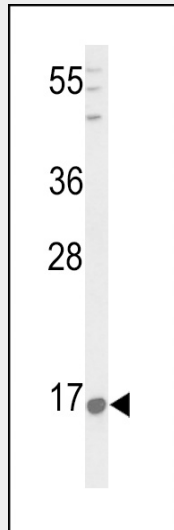
**Tissue Location**  
Predominantly expressed in the brain and spinal cord. Also expressed and secreted by peripheral blood neutrophils following degranulation.

### PNOC Antibody (Center) - Protocols

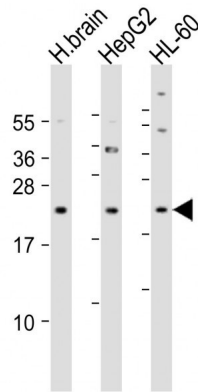
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

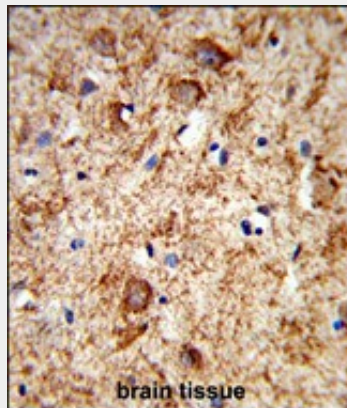
### PNOC Antibody (Center) - Images



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



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)