

**PNOC Antibody (Center)**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8712b**

**Specification**

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

Application	WB,E
Primary Accession	<a href="#">O13519</a>
Reactivity	Human
Predicted	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2b, $\kappa$
Calculated MW	20295

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

**Gene ID** 5368

**Other Names**

Prepronociceptin, Nocistatin, Nociceptin, Orphanin FQ, PPNOC, Orphanin FQ2, PNOC, OFQ

**Target/Specificity**

This PNOC antibody is generated from a mouse immunized with a recombinant protein from human PNOC.

**Dilution**

WB~~1:8000

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**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

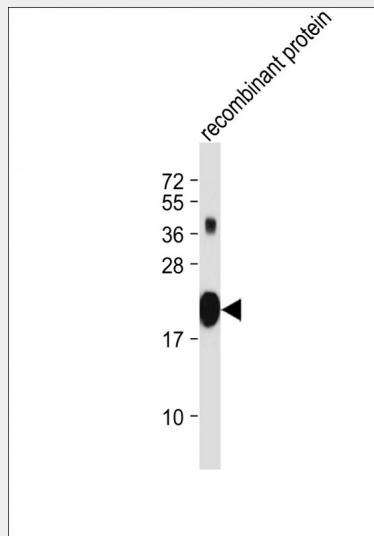
Predominantly expressed in the brain and spinal cord. Also expressed and secreted by peripheral blood neutrophils following degranulation.

### 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



Anti-PNOC Antibody (Center) at 1:8000 dilution + PNOC recombinant protein Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 18 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

### PNOC Antibody (Center) - Background

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.

### PNOC Antibody (Center) - References

Mollereau C.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:8666-8670(1996).  
Nothacker H.-P.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:8677-8682(1996).  
Fiset M.E.,et al.Biochemistry 42:10498-10505(2003).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.