

Rabbit PNOC Polyclonal Antibody | anti-PNOC antibody

PNOC Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285497	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

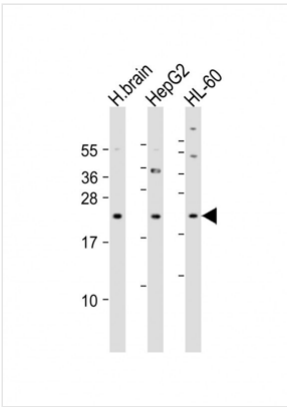
PRODUCT SYNONYMS

PNOC; Polyclonal Antibody; PNOC Antibody (Center); Prepronociceptin; Neuropeptide 1; Nociceptin; Orphanin FQ; PPNOC; Neuropeptide 2; OFQ; anti-PNOC antibody

PRODUCT SPECIFICATIONS

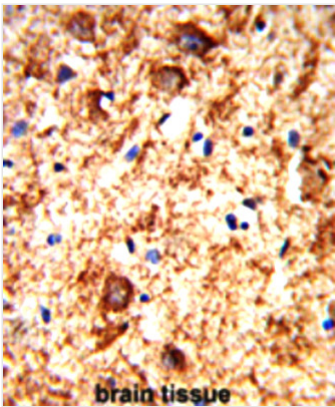
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PNOC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 126-151 amino acids from the Central region of human PNOC.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence	126-151
Applicable Applications for anti-PNOC antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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.
Preparation and 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.

IMAGES



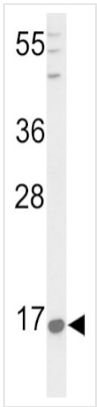
WB (Western Blot)

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 ug 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.



IHC (Immunohiostchemistry)

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.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-PNOC antibody	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
Product Categories/Family for anti-PNOC antibody	Neuroscience
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453922
NCBI GeneID	5368
NCBI Accession #	NP_006219.1
NCBI GenBank Nucleotide #	NM_006228.4
UniProt Accession #	Q13519; Q6FH16; B7Z749

NCBI Official Full Name	prepronociceptin isoform 1 preproprotein
NCBI Official Synonym Full Names	prepronociceptin
NCBI Official Symbol	PNOC
NCBI Official Synonym Symbols	PPNOC
NCBI Protein Information	prepronociceptin
UniProt Protein Name	Prepronociceptin
UniProt Gene Name	PNOC
UniProt Synonym Gene Names	OFQ
UniProt Entry Name	PNOC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pnoc-antibody-immunohistochemistry-western-blot-elisa/285497>