

## Rabbit Nociceptin Polyclonal Antibody | anti-PNOC antibody

Nociceptin Antibody

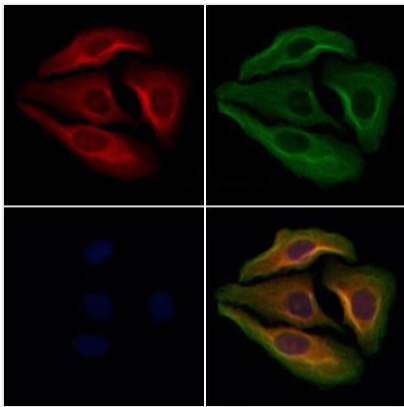
| CATALOG # | HOST   | REACTIVITY                                                                                                                                          | APPLICATIONS |
|-----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| AAA328982 | Rabbit | Human, Mouse, Rat<br>Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%) | ELISA        |

### PRODUCT SYNONYMS

Nociceptin; Polyclonal Antibody; Nociceptin Antibody; N/OFQ; N23K; N23K/N27K; included; nocistatin; Npnc1; OFQ; OFQ/N; Orphanin FQ; Orphanin FQ2; Pnoc; PNOC\_HUMAN; ppN/OFQ; PPNOC; pre-pro-N/OFQ; prepronociceptin; pronociceptin; Propronociceptin; anti-PNOC antibody

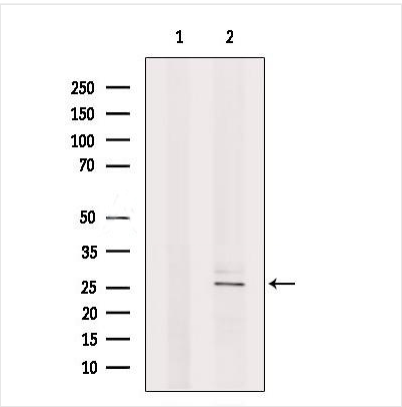
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                              |
| Reactivity                                     | Human, Mouse, Rat<br>Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%) |
| Clonality                                      | Polyclonal                                                                                                                                          |
| Isotype                                        | IgG                                                                                                                                                 |
| Specificity                                    | Nociceptin Antibody detects endogenous levels of total Nociceptin.                                                                                  |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).                            |
| Form/Format                                    | Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol                                             |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                                              |
| Sequence Length                                | 176                                                                                                                                                 |
| Applicable Applications for anti-PNOC antibody | ELISA                                                                                                                                               |
| Immunogen                                      | A synthesized peptide derived from human Nociceptin, corresponding to a region within the internal amino acids.                                     |
| Fragment                                       | Fab fragment                                                                                                                                        |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                   |



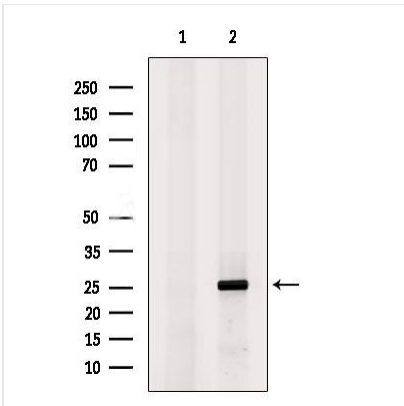
IF (Immunofluorescence)

AAA328982 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA328982 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from Rat brain, using Nociceptin Antibody. The lane on the left was treated with blocking peptide. Observed bands: 25 kDa.



WB (Western Blot)

Western blot analysis of extracts from Myeloma cells, using Nociceptin Antibody. The lane on the left was treated with blocking peptide. Observed bands: 25 kDa.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PNOC antibody | Function: 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.Blocks nociceptin action in pain transmission by inhibiting nociceptin-induced hyperalgesia and allodynia.Has potent analgesic activity. |
|                                                    | Post Translational Modifications: Specific enzymatic cleavages at paired basic residues probably yield other active peptides besides nociceptin.The N-terminal domain contains 6 conserved cysteines thought to be involved in disulfide bonding and/or processing.                                                                                          |
|                                                    | Subcellular Location: Secreted.                                                                                                                                                                                                                                                                                                                              |
|                                                    | Tissue Specificity: Predominantly expressed in the brain and spinal cord. Also expressed and secreted by peripheral blood neutrophils following degranulation.                                                                                                                                                                                               |
|                                                    | Similarity: Belongs to the opioid neuropeptide precursor family.                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|             |         |
|-------------|---------|
| NCBI GI #   | 2494348 |
| NCBI GeneID | 5368    |

|                                  |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| UniProt Accession #              | <a href="#">Q13519</a>                                                                             |
| Molecular Weight                 | Observed Molecular Weight: (Observed)20kD, 25kD.<br>Predicted Molecular Weight: (Calculated)20kDa. |
| NCBI Official Full Name          | Prepronociceptin                                                                                   |
| NCBI Official Synonym Full Names | prepronociceptin                                                                                   |
| NCBI Official Symbol             | PNOC                                                                                               |
| NCBI Official Synonym Symbols    | NOP; OFQ; N/OFQ; PPNO; ppN/OFQ                                                                     |
| NCBI Protein Information         | prepronociceptin                                                                                   |
| UniProt Protein Name             | Prepronociceptin                                                                                   |
| UniProt Gene Name                | <b>PNOC</b>                                                                                        |
| 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://stage.aaabiotech.com/polyclonal/nociceptin-antibody-elisa/328982>