




Product datasheet

Anti-Nociceptin antibody ab216413

2 Images

Overview

Product name	Anti-Nociceptin antibody
Description	Rabbit polyclonal to Nociceptin
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Rat Predicted to work with: Mouse, Cow, Human, Pig 
Immunogen	Synthetic peptide corresponding to Human Nociceptin aa 130-142 conjugated to keyhole limpet haemocyanin. Sequence: FGGFTGARKSARK Database link: Q13519  Run BLAST with  Run BLAST with
Positive control	Rat brain tissue. Rat brain lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 1% BSA, 50% Glycerol
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab216413** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500.
WB		1/100 - 1/1000. Detects a band of approximately 19 kDa (predicted molecular weight: 20 kDa).

Target

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.

Nocistatin: Blocks nociceptin action in pain transmission by inhibiting nociceptin-induced hyperalgesia and allodynia.

Orphanin FQ2: Has potent analgesic activity.

Tissue specificity

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

Sequence similarities

Belongs to the opioid neuropeptide precursor family.

Post-translational modifications

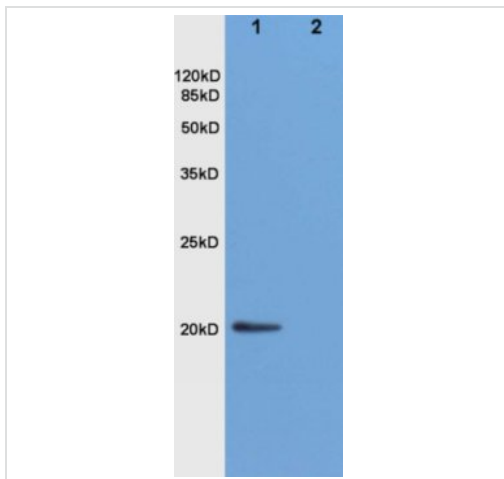
Specific enzymatic cleavages at paired basic residues probably yield other active peptides besides nociceptin.

The N-terminal domain contains 6 conserved cysteines thought to be involved in disulfide bonding and/or processing.

Cellular localization

Secreted.

Images



Western blot - Anti-Nociceptin antibody (ab216413)

All lanes : Anti-Nociceptin antibody (ab216413) at 1/200 dilution

Lane 1 : rat brain lysate

Lane 2 : rat liver lysate

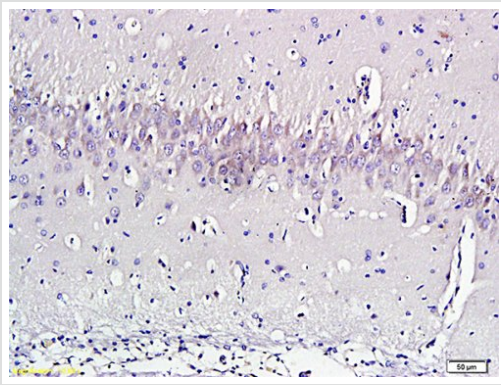
Secondary

All lanes : Goat Anti-Rabbit IgG Antibody (H+L), HRP at 1/3000 dilution

Developed using the ECL technique.

Predicted band size: 20 kDa

15% gel.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nociceptin antibody (ab216413)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded rat brain tissue labeling Nociceptin with ab216413 at 1/300 dilution, followed by conjugation to the secondary antibody and DAB staining.

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