

## PNOC monoclonal antibody

Catalog: MB67092

Host: Mouse

Reactivity: Human

### BackGround:

Nociception, a pain response mechanism, occurs in response to stimuli that threaten the integrity of an organism. The first synapses produced as a result of the initiation of nociception are modulated by excitatory amino acids (glutamate and aspartate) and many peptides (substance P, CGRP, CCK, endogenous opioids). Nociceptin (also designated orphanin FQ) is a neuronal peptide that is similar to opioid peptides. Nociceptin activates KOR-3 (k-type opioid receptor, also designated ORL1), a G protein-coupled receptor. Although similar to dynorphin A, a k opioid peptide, Nociceptin functions to make animals hyperreactive to nociceptive stimulations. Nociceptin is also involved in locomotor behavior and may be involved in the modulation of synaptic plasticity in learning and memory.

### Product:

Mouse IgG2b kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 22 kDa

### Swiss-Prot:

Q13519

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/500 - 1/4000)

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of PNOC protein.

### DATA:



Western blot analysis of PNOC expression in PNOC recombinant protein (A) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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