

## PNOC RABBIT PAB

**Cat.#:** S220754

**Product Name:** Anti-PNOC Rabbit Polyclonal Antibody

**Synonyms:** PPNOC

**UNIPROT ID:** Q13519 (Gene Accession - NP\_006219 )

**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 (kappa-type opioid receptor, also designated ORL1), a G protein-coupled receptor. Although similar to dynorphin A, a kappa 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.

**Immunogen:** Synthetic peptide of human PNOC

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 50-200; ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

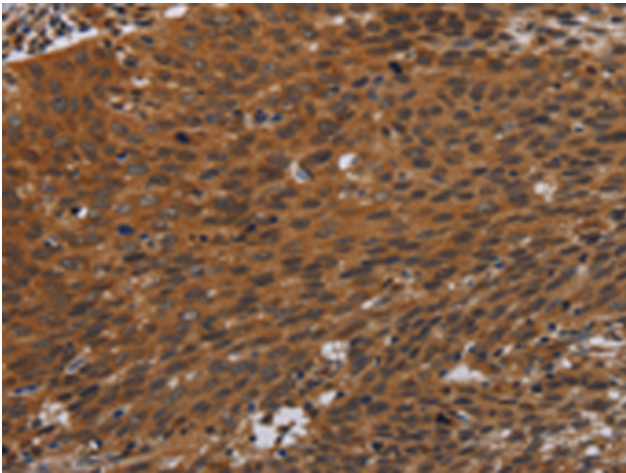
**Purification:** Antigen affinity purification

**Species Reactivity:** Human

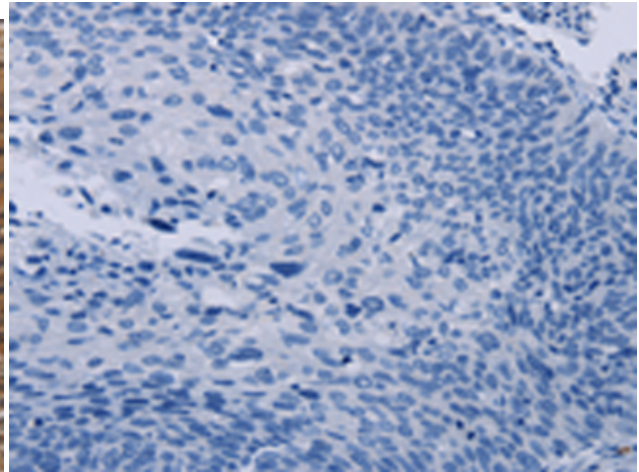
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Neuroscience

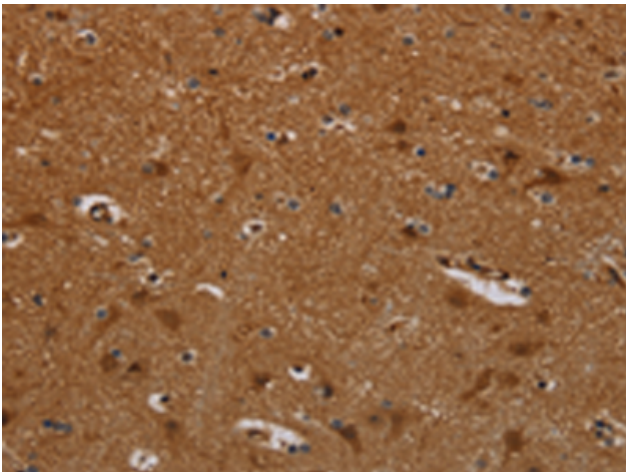
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



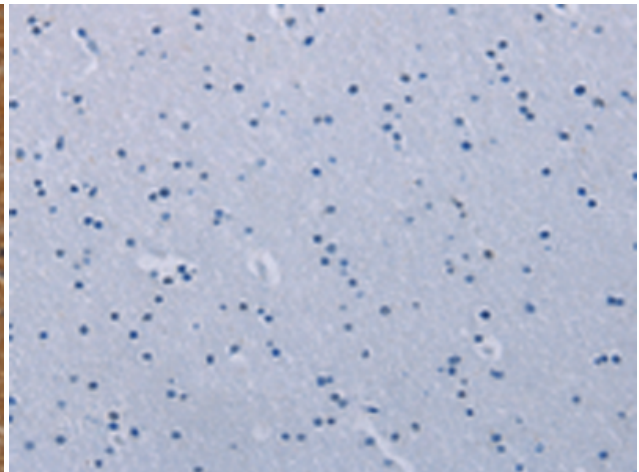
Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 220754 (PNOC Antibody) at a dilution of 1/40 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the synthetic peptide and then with 220754 (Anti-PNOC Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using 220754 (Anti-PNOC Antibody) at a dilution of 1/40.



In comparison with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with synthetic peptide and then with D261965 (Anti-PNOC Antibody) at dilution 1/40.