

Product datasheet for **TA351453S**

Nociceptin (PNO) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human cervical cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human PNO
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	prepronociceptin
Database Link:	NP_006219 Entrez Gene 5368 Human Q13519

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.

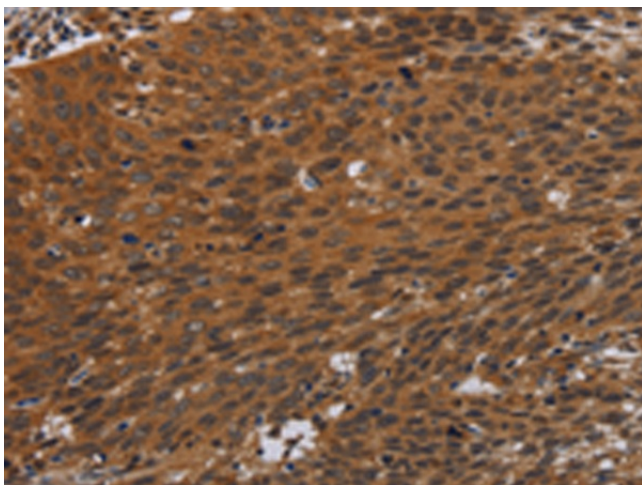


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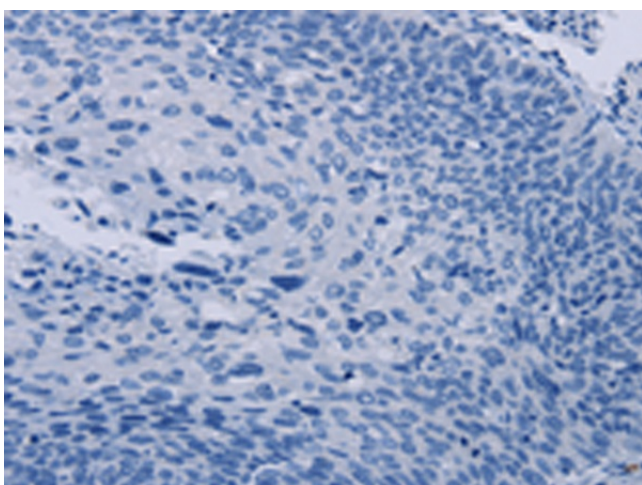
Synonyms: PPNOC

Protein Families: Secreted Protein

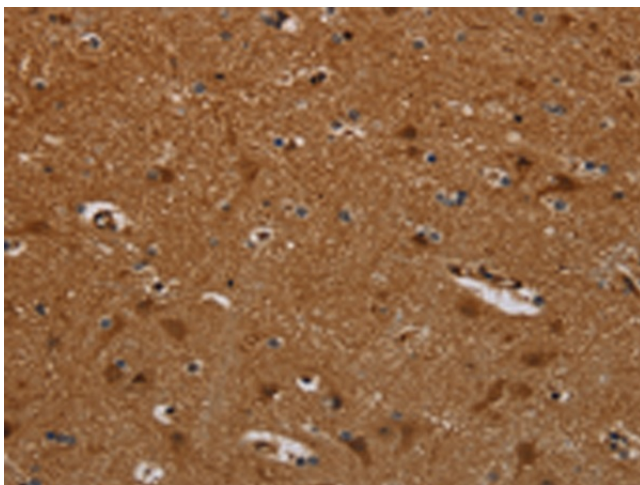
Product images:



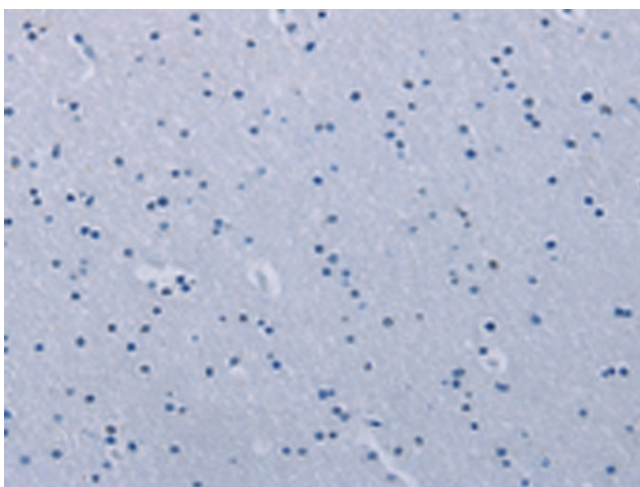
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA351453] (PNOC Antibody) at dilution 1/40 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA351453] (PNOC Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA351453] (PNOC Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA351453] (PNOC Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)