

ARG64880
anti-OXT / Oxytocin antibodyPackage: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes OXT / Oxytocin
Tested Reactivity	Hu
Tested Application	IHC-Fr
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	OXT / Oxytocin
Species	Human
Immunogen	HADPACDAEATFSQR
Conjugation	Un-conjugated
Alternate Names	OXT-NPI; OT; OT-NPI; Oxytocin-neurophysin 1; Ocytocin

Application Instructions

Application table	Application	Dilution
	IHC-Fr	0.05 - 0.15 µg/ml

Application Note IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0) at 80°C for 30 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 5020 Human](#)

[Swiss-port # P01178 Human](#)

Background

There are two proteins encoded by this gene, oxytocin and neurophysin I. Oxytocin is posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. Together with neurophysin, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis, where it is either stored or secreted into the bloodstream. The precursor seems to be activated while it is being transported along the axon to the posterior pituitary. This hormone contracts smooth muscle during parturition and lactation. It is also involved in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions. [provided by RefSeq, Jul 2008]

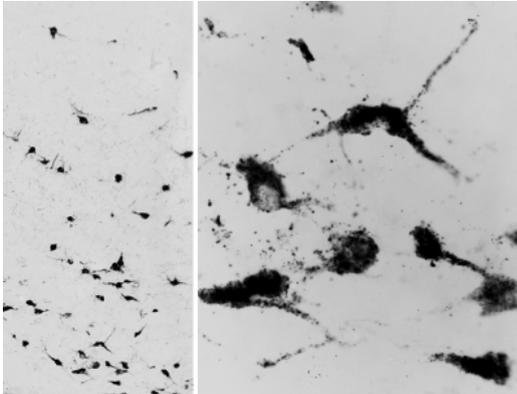
Research Area

Neuroscience antibody

Calculated Mw

13 kDa

Images



ARG64880 anti-OXT / Oxytocin antibody IHC-Fr image

Immunohistochemistry: PFA-perfused cryosection of Human hypothalamus tissue stained with ARG64880 anti-OXT / Oxytocin antibody at 0.05 µg/ml dilution.