

Product Name: Neurophysin I Rabbit Polyclonal Antibody
Catalog #: APRab14617

Summary

Production Name	Neurophysin I Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	OXT
Alternative Names	OXT; OT; Oxytocin-neurophysin 1; OT-NPI
Gene ID	5020.0
SwissProt ID	P01178.The antiserum was produced against synthesized peptide derived from human Neurophysin I. AA range:40-89

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000..
Molecular Weight	19kD

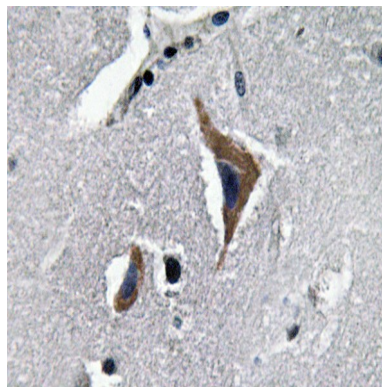
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Background

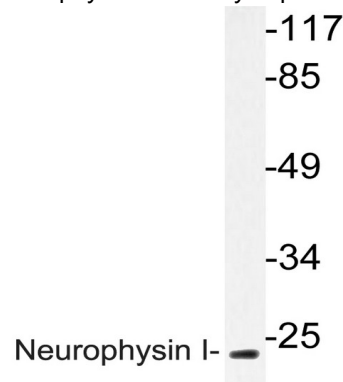
This gene encodes a precursor protein that is processed to produce oxytocin and neurophysin I. Oxytocin is a posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. Together with neurophysin, it is packaged into neurosecretory 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, Dec 2013],function:Neurophysin 1 specifically binds oxytocin.,function:Oxytocin causes contraction of the smooth muscle of the uterus and of the mammary gland.,online information:Oxytocin entry,pharmaceutical:Oxytocin is available under the names Pitocin (Parke-Davis) and Syntocinon (Sandoz). Used to artificially speed or induce labor.,similarity:Belongs to the vasopressin/oxytocin family.,

Research Area

Image Data



Immunohistochemistry analysis of Neurophysin I antibody in paraffin-embedded human brain tissue.



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Western blot analysis of lysate from K562 cells, using Neurophysin I antibody.

Note

For research use only.