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

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	19kDa

Antigen Information

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

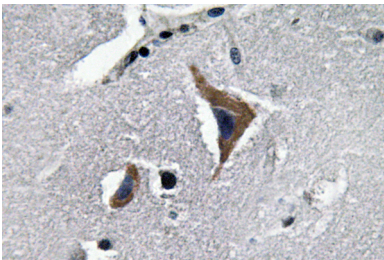
Background

This gene encodes a precursor protein that is processed to produce oxytocin and neurophysin I. Oxytocin is a posterior pituitary

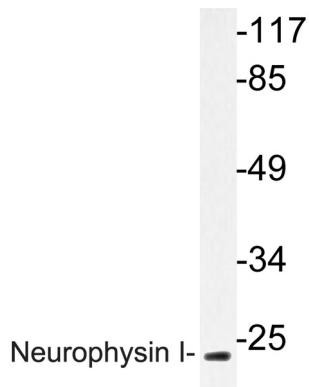
hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. Together with neurophysin, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis, where it is either stored or secreted into 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.



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