# Neurophysin I (K40) polyclonal antibody

Catalog: BCP01177 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

Neurophysin I (NPI) and neurophysin II (NPII) function as carrier proteins for oxytocin and vasopressin, respectively. Oxytocin is a pituitary hormone which induces uterine contractions during childbirth and the ejection of milk from the mammary glands during nursing. Vasopressin is involved in the metabolism of water and electrolytes and has been identified as a vasoconstrictor. Both neurophysin genes exist as three exons, with each exon encoding a functional protein domain. Studies show that the identically conserved middle region (exon B) is involved in NP-NP homodimer formation as well as being the site for the glycine 17 to valine point mutation responsible for familial diabetes insipidus.

## Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

## Molecular Weight:

~ 13 kDa

## Swiss-Prot:

P01178

## Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

## Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

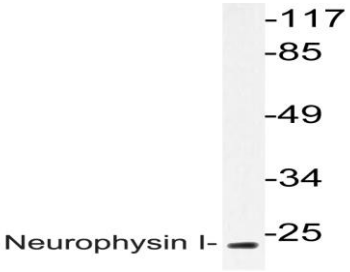
## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

## Specificity:

Neurophysin I (K40) polyclonal antibody detects endogenous levels of Neurophysin I protein.

## DATA:



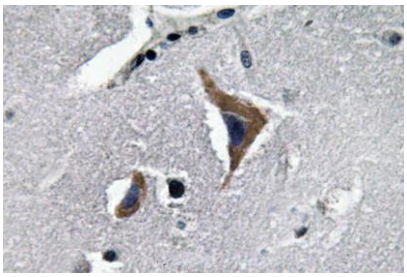

Western blot (WB) analysis of Neurophysin I (K40) pAb at 1:500 dilution

Lane1:A549 whole cell lysate(20ug)

Lane2:SGC7901 whole cell lysate(40ug)

Lane3:3T3-L1 whole cell lysate(40ug)

Lane4:H9C2 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Neurophysin I (K40) pAb in paraffin-embedded human brain tissue.

## Note:

For research use only, not for use in diagnostic procedure.

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