



Neurokinin B (Neurokinin-B, Neurokinin beta, NKB, NKNB, Gamma Tachykinin 3, Neurokinin B-like Protein, Neuromedin K, Neuromedin-K, Preprotachykinin B, Preprotachykinin-B, PRO1155, Tachykinin 3, Tachykinin-3, TAC3, ZNEUROK1)

Catalog number

N1256-15B

Supplier

United States Biological

proNeurokinin B (proNKB) is a neuropeptide belonging to the Tachykinin family, widely expressed in the Central Nervous System (CNS). It plays a neuromodulatory role in various brain functions.

Applications

Suitable for use in Immunohistochemistry. Other applications not tested.

Recommended Dilution

Immunohistochemistry: 1:500-1:1000 for human hypothalamus and rat brain sections where positive staining of the arcuate nucleus is observed.

Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. For long-term storage and to avoid repeated freezing and thawing, add sterile 40-50% glycerol, aliquot and store at -20°C. Aliquots are stable for at least 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

A synthetic peptide made to an internal sequence of amino acids of the mouse proNKB protein (~93% homology to the rat sequence).

Formulation

Supplied as a liquid, 0.09% sodium azide.

Purity

Purified by immunoaffinity chromatography.

Specificity

Recognizes mouse Neurokinin B. Species Crossreactivity: human and rat.

Product Type

Pab

Source



mouse

Isotype

IgG

Grade

Affinity Purified

Applications

IHC

Crossreactivity

Hu Mo Rt

Storage

4°C (-20°C Glycerol)

Reference

1. Marksteiner, J., et al. Distribution of Neurons Expressing Neurokinin B in Rat Brain: Immunohistochemistry and In situ Hybridization. *J. of Compar. Neur.* 317: 341-356 (1992).
2. Mileusnic, D., et al. Neurokinin-3 Receptor Distribution in Rat and Human Brain: An Immunohistochemical Study. *Neurosci.* 89:1269-1290 (1999).
3. Goubillon, ML., et al. Identification of Neurokinin B-Expressing Neurons as an Highly Estrogen-Receptive, Sexually Dimorphic Cell Group in the Ovine Arcuate Nucleus. *Endocr.* 141: 4218-4225 (2000).
4. Severini, C., et al. A Tachykinin-like Factor Increase Glutamate Toxicity in Rat Cerebellar Granule Cells. *Neuropharm.* 44:117-124 (2003).