



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Neuropeptide S

Neuropeptide S (NPS) is a neuropeptide found in human and mammalian brain, mainly produced by neurons in the amygdala and between Barrington's nucleus and the locus coeruleus, although NPS-responsive neurons extend projections into many other brain areas. It binds specifically to a G protein-coupled receptor, NPSR. Animal studies show that NPS suppresses anxiety and appetite, induces wakefulness and hyperactivity, including hyper-sexuality, and plays a significant role in the extinction of conditioned fear. It has also been shown to significantly enhance dopamine activity in the mesolimbic pathway and inhibits motility and increases permeability in neurocrine fashion acting through NO in the myenteric plexus in rats and humans.

This antibody was generated by immunization of rabbits with Neuropeptide S coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4809 (Lot 060741)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Rat
Quantity:	50 µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 µl distilled water. This will give the equivalent of undiluted antiserum.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Protein database:	n/a

Applications:

Tested in immunohistochemistry (IHC) and ELISA against Neuropeptide S. Other applications like FACS or Western Blot may work as well.

Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

Approximate working dilution for IHC:

Frozen sections: not tested yet.

Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

Related Products:

T-4807: Rabbit anti Neuropeptide S (hu), neat antiserum

T-4806: Rabbit anti Neuropeptide S (hu), diluted antiserum

T-4808: Rabbit anti Neuropeptide S (rt), diluted antiserum

This product contains no preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.