Neuropeptide S Antibody / NPS (RQ4190)

Catalog No.	Formulation	Size
RQ4190	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P0C0P6
Applications	Immunohistochemistry (FFPE): 2-5ug/ml
Limitations	This Neuropeptide S antibody is available for research use only.



IHC staining of FFPE rat brain tissue with Neuropeptide S antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse brain tissue with Neuropeptide S antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

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. NPS 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.

Application Notes

Optimal dilution of the Neuropeptide S antibody should be determined by the researcher.

Immunogen

Amino acids SFRNGVGTGMKKTSFQRAKS were used as the immunogen for the Neuropeptide S antibody.

Storage

After reconstitution, the Neuropeptide S antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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