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Anti-Neuropeptide S Picoband Antibody

Catalog # ABO10173

Product Information

Application	WB
Primary Accession	A01290-1
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Neuropeptide S detection. Tested with WB in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Application Details	Western blot, 0.1-0.5 □g/ml
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg NaN_3.
Immunogen	A synthetic peptide corresponding to a sequence of human Neuropeptide S (SFRNGVGTGMKKTSFQRAKS).
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20˚C; for one year. After r˚Constitution, at 4˚C; for one month. It˚Can also be aliquotted and stored frozen at -20˚C; for a longer time. Avoid repeated freezing and thawing.

Protein Information

Background

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.