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Neuropeptide S Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54494

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P0C0P6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	10103

Additional Information

Gene ID	594857
Other Names	Neuropeptide S, NPS
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NPS {ECO:0000303|PubMed:15312648}
Function	Ligand for NPSR1 (PubMed: 15312648, PubMed:15947423, PubMed:16720571, PubMed:16790440). Binds to its receptor with nanomolar affinity and initiates a G(q)/GNAQ-dependent phospholipase C-activating signaling pathway. This results in Ca(2+) mobilization from intracellular stores and increased intracellular Ca(2+) levels (PubMed:15312648, PubMed:15947423, PubMed:16720571, PubMed:16790440, PubMed:25714705, PubMed:26865629). In addition to this pathway, NPS binding to its receptor activates cAMP/PKA signal transduction (PubMed:26865629). Finally, both pathways converge to activate ERK1/ERK2 phosphorylation and signaling cascade (PubMed:26865629). Modulates arousal and anxiety. May play an important anorexigenic role (By similarity).
Cellular Location	Secreted {ECO:0000250|UniProtKB:P0C0P7}.

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