Datasheet for ABIN1409078

anti-NPS antibody (AA 70-89) (HRP)

Go to Product page

Overview

Quantity:	100 µL
Target:	NPS
Binding Specificity:	AA 70-89
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPS antibody is conjugated to HRP
Application:	ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Neuropeptide S
Isotype:	IgG
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	NPS
Alternative Name:	NPS/Neuropeptide S (NPS Products)
Background:	Synonyms: NeuropeptideS, Neuropeptide-S, NPS, NPS_HUMAN.

Target Details

	Background: Neuropeptides are regulators of synaptic transmission and their effects are mediated by G-protein coupled receptors. NPS (Neuropeptide S) is a 20 amino acid peptide cleaved from a larger precursor that contains a hydrophobic signal peptide and proteolytic cleavage processing sites. The N-terminal residue of NPS is always a serine regardless of the species. NPS is predominantly found in the central nervous system and plays an important role regulating sleep/wake functions, locomotion, arousal/anxiety responses and food intake. NPS functions by binding and activating its receptor, NPSR, and increasing intracellular calcium levels thereby acting as an excitatory transmitter. In addition, NPS stimulates the hypothalamo-pituitary adrenal (HPA) axis via the release of corticotropin-releasing factor (CRF) and arginine vasopressin (AVP). NPS and its receptor NPSR may also play a role in asthma pathogenesis.
Gene ID:	594857

Application Details

Application Notes:	IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months