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Datasheet for ABIN1391182

anti-NPS antibody (AA 70-89) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	NPS
Binding Specificity:	AA 70-89
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPS antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (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: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

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.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months