

**Anti-Neuropeptide S Picoband Antibody**  
**Catalog # ABO10173****Specification**

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**Anti-Neuropeptide S Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">A01290-1</a>
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.

**Anti-Neuropeptide S Picoband Antibody - Additional Information****Application Details**

Western blot, 0.1-0.5 µg/ml<br>

**Contents**

Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence of human Neuropeptide S (SFRNGVGTGMKTSFQRAKS).

**Cross Reactivity**

No cross reactivity with other proteins.

**Storage**

**At -20°C; for one year. After reconstitution, 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.**

**Anti-Neuropeptide S Picoband Antibody - Protein Information****Anti-Neuropeptide S Picoband Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Anti-Neuropeptide S Picoband Antibody - Images**

#### **Anti-Neuropeptide S Picoband Antibody - 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.