

## Datasheet: AHP2189

<b>Description:</b>	RABBIT ANTI PIG NEUROPEPTIDE Y
<b>Specificity:</b>	NEUROPEPTIDE Y
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/200 - 1/400
Immunohistology - Paraffin	▪			
ELISA	▪			1/2,000 - 1/10,000
Western Blotting			▪	
Immunofluorescence	▪			1/200 - 1/400

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Target Species

Pig

### Species Cross Reactivity

Reacts with: Rat, Human, Cat

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Diluted serum - liquid

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)  
1% Bovine Serum Albumin

**Immunogen** Synthetic porcine neuropeptide Y coupled to bovine thyroglobulin via glutaraldehyde.

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**External Database**

**Links**

**UniProt:**

[P01304](#) [Related reagents](#)

**Entrez Gene:**

[397304](#) NPY [Related reagents](#)

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**RRID**

AB\_10672677

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**Specificity**

**Rabbit anti Pig Neuropeptide Y antibody** recognizes porcine neuropeptide Y and performs well in a sandwich ELISA with antibodies raised against amino acids 31-36.

Neuropeptide Y is a 36 amino acid neuropeptide found in the brain and autonomic nervous system that is known to function as a potent stimulator of feeding behavior. It is a member of a family of proteins that include pancreatic polypeptide, seminalplasmin and peptide YY. In addition to its function in the control of energy balance, several other physiological roles have been attributed to NPY, including involvement in circadian rhythms, sexual function, anxiety responses and vascular resistance.

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**References**

1. Radzimirska, M. *et al.* (2016) Distribution of cocaine- and amphetamine-regulated transcript (CART), neuropeptide Y (NPY) and galanin (GAL) in the pterygopalatine ganglion of the domestic duck (*Anas platyrhynchos f. domestica*). [Folia Histochem Cytobiol. Apr 5. \[Epub ahead of print\]](#)
  2. Thiriet, N. *et al.* (2011) NPY promotes chemokinesis and neurogenesis in the rat subventricular zone. [J Neurochem. 116 \(6\): 1018-27.](#)
  3. Joksimovic, J. *et al.* (2017) The role of neuropeptide-Y in nandrolone decanoate-induced attenuation of antidepressant effect of exercise. [PLoS One. 12 \(6\): e0178922.](#)
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**Storage**

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10041 available at:  
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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