Datasheet: 6732-0150

**Product Details**

**Description:** SHEEP ANTI HUMAN NEUROPEPTIDE Y RECEPTOR 1

**Specificity:** NEUROPEPTIDE Y RECEPTOR 1

**Other names:** NPY1R

**Format:** Purified

**Product Type:** Polyclonal Antibody

**Isotype:** Polyclonal IgG

**Quantity:** 1 ml

**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).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin (1)</td>
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<td>1/100 - 1/1000</td>
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<td>ELISA</td>
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<tr>
<td>Western Blotting</td>
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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.

(1) **This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Rat

N.B. Antibody reactivity and working conditions may vary between species.

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein G

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide (NaN₃)

**Approx. Protein Concentrations**

IgG concentration 5.0 mg/ml

**Immunogen**

A synthetic peptide corresponding to amino acids 365 - 378 of human NPY1R, conjugated to KLH.
Peptide sequence: KQASPVAFFKINNN

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<tr>
<th>External Database Links</th>
<th>UniProt: P25929 Related reagents</th>
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<tr>
<th>Entrez Gene:</th>
<th>4886 NPY1R Related reagents</th>
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</table>

Synonyms: NPYR, NPYY1

Specificity: **Sheep anti Human Neuropeptide Y Receptor 1 antibody** recognizes human neuropeptide Y receptor 1. Neuropeptide Y receptors are a class of G-protein coupled receptors which are activated by the closely related peptide hormones neuropeptide Y, peptide YY and pancreatic polypeptide. These receptors are involved in control of a diverse set of behavioral processes including appetite, circadian rhythm, and anxiety.

Western Blotting: 6732-0150 detects a band of approximately 55 kDa in human brain.

References:

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.

Shelf Life: 18 months from date of despatch.


Regulatory: For research purposes only

Related Products

**Recommended Secondary Antibodies**

Rabbit Anti Sheep IgG (H/L) (5184-2304...) *Biotin*
Donkey Anti Sheep IgG (STAR88...) *DyLight®488, DyLight®549, DyLight®649, FITC, HRP*
Recommended Useful Reagents

ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)
ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)