

Product datasheet for **BP653**

NPY1R (365-378) Sheep Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | ELISA, IHC, WB |
| Recommended Dilution: | ELISA. Western blot (1/250 as a guide). Immunohistochemistry on Paraffin Sections (1/1,000-1/4,000): See below for protocol. |
| Reactivity: | Human, Rat |
| Host: | Sheep |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide corresponding to amino acids 365-378 of human NPY1R (KQASPVAFKKINNN) conjugated to KLH. |
| Specificity: | This antibody reacts with Neuropeptide Y Receptor 1. |
| Formulation: | PBS, pH 7.2, containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction. |
| Concentration: | lot specific |
| Purification: | Ammonium Sulphate Fractionation |
| Conjugation: | Unconjugated |
| Storage: | Can be shipped at 2-8°C. Upon arrival, store the antibody (aliquots) at -20°C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | neuropeptide Y receptor Y1 |
| Database Link: | Entrez Gene 4886 Human P25929 |



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Background: Neuropeptide Y (NPY) is one of the most abundant neuropeptides in the mammalian nervous system and exhibits a diverse range of important physiologic activities, including effects on psychomotor activity, food intake, regulation of central endocrine secretion, and potent vasoactive effects on the cardiovascular system. There are two major subtypes of NPY (Y1 and Y2). The NPY Y1 receptors have been identified in a variety of tissues, including brain, spleen, small intestine, kidney, testis, placenta, breast, colon, ganglion, heart, and aortic smooth muscle. The Y2 receptor is found mainly in the central nervous system. NPY receptors are a member of the G protein-coupled receptor superfamily.

Synonyms: NPYR, NPYY1, Neuropeptide Y receptor 1

Note: Protocol: Protocol: - Samples: Bouin's fixed paraffin sections, 5 μ m, from rat brain.
- 5 minutes microwave pre-treatment, citrate buffer, pH 6.0.
- Peroxidase blocking (15 minutes), normal rabbit serum (30 minutes), Dako Protein Block (5 minutes).
- Primary antibody at 1/2000 (as a guideline).
- Overnight incubation at 4°C.
- Secondary antibody: Rabbit anti-sheep IgG. 30 minutes incubation.
- 2 hours ABC complex.