



IHC image of the rat cortex.

Neuropeptide Y Y1 Receptor Antibody

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| Catalog # | 24506 | Product type | Primary antibodies |
| Lot # | 1443001L | Clonality | Polyclonal |
| Form | Liquid (100 µL) | Isotype | IgG |
| Host | Rabbit | Preservative | ≤ 0.09% sodium azide |
| Reacts With | Hamster, Human, Mouse, Rat | Antigen | Synthetic peptide sequence corresponding to amino acids (356–382) of the rat NPY Y1 receptor coupled to keyhole limpet hemocyanin (KLH) and bovine thyroglobulin (BTg). |

INSTRUCTIONS

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| Preparation | <p>The antiserum is provided as 100 µL of affinity purified liquid containing 1% BSA. Reconstitution is not required. Recommend briefly spinning tube (30 sec. 200xg) to collect contents at bottom of tube.</p> <p>Refer to the Instruction Manual available online at www.immunostar.com for information on tissue preparation, immunostaining techniques, troubleshooting, and formulas.</p> |
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APPLICATION

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| Quality Control | <p>The ImmunoStar NPY Y1 Receptor was quality control tested using standard immunohistochemical methods. The antiserum demonstrates significant labeling of rat cortex, arcuate and hippocampus using indirect immunofluorescent and biotin/avidin-HRP techniques. The antibody was characterized by immunohistochemistry and western blot. Western blot showed one immunoreactive band of 40 kD and a single high molecular weight band, presumably a precursor molecule.</p> <p>Preincubation of the antibody with an excess of the synthetic peptide blocked staining. Immunohistochemical staining of rat brain correlates well with northern analysis, in situ hybridization and receptor autoradiography.</p> |
| Tissue | Rat cortex, hippocampus, thalamus, arcuate. |
| Perfusion Fixation | <ul style="list-style-type: none"> Fixative: 4% paraformaldehyde in 0.1M Phosphate buffer, pH 7.4; 500 mL over 20 min. Post Fixation: 1.5 hour at 4°C in 4% paraformaldehyde in 0.1 M Phosphate buffer, pH 7.4 Note: If needed, low levels of glutaraldehyde (0.1–0.3%) may be used in conjunction with paraformaldehyde. |
| Sections | 50 µm vibratome |
| Tissue Incubation | 48 hours at 2°–8° C |
| Detection System | Bn/Av-HRP at dilutions recommended by the manufacturer. |
| Suggested Dilution | 1/500–1/1,000 in PBS - Bn/Av-HRP detection technique |

NOTES

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| Special Instructions | It is recommended that the researcher perform a primary antibody dilution series using our dilution recommendations as a guideline. Note that a change in the fixation or buffering system from our protocol may change the configuration of the protein which could alter the reactivity with the tissue tested. |
| Storage | Store at 2°–8°C until expiration date. |
| Concentration | 300 µg/ml |
| Journal References | www.immunostar.com/publications |

For Laboratory Reagent Use Only. Analytical and performance characteristics are not established.

ALL PRODUCTS ARE FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE RRID:AB_572257