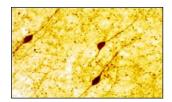


VIP (Vasoactive Intestinal Peptide) Antibody



IHC image of rat cortex.

## Catalog # 20077 Product type Primary antibodies Polyclonal Lot # 2003001 Clonality Form Lyophilized whole serum (100µL) IgG Isotype $\leq$ 0.09% sodium azide Host Rabbit Preservative **Reacts With** Bat, Bird, Buffalo, Cat, Chicken, Dog, Fish, Porcine VIP coupled to bovine Antigen Fox, Frog, Guinea Pig, Hamster, Human, thyroglobulin (BTg) with carbodiimide Lizard, Mink, Mole, Mollusk, Monkey, (CDI) linker. Mouse, Pig, Pigeon, Possum, Rabbit, Raccoon, Rat, Sheep, Snake, Squirrel, Starfish, Sting Ray, Turtle, Worm + More INSTRUCTIONS Do not reconstitute until ready to use since the product is most stable when lyophilized. The product does Preparation not need to be kept cooled during shipping; however, for long-term storage, store lyophilized antibody until ready to use at -15°C or lower. Reconstitute with 100 µL of distilled or deionized water. After reconstitution, use immediately or refrigerate at 2º-8ºC. To avoid freeze/thaw cycles, dilute unused antibody with PBS or Tris buffer at a dilution no higher than 1/10, then aliquot and freeze at -15°C or lower. Refer to the Instruction Manual available online at www.immunostar.com for information on tissue preparation, immunostaining techniques, troubleshooting, and formulas. **APPLICATION IHC Quality Control** The antibody has significant Biotin/avidin-HRP staining at a 1/8000-1/10000 dilution in rat amygdala, cortex, and suprachiasmatic nucleus. The specificity of the antiserum was examined by soluble preadsorption with the peptides in question at a final concentration of 10<sup>-5</sup> M. VIP immunolabeling was completely abolished by preadsorption with VIP. Preadsorption with the following peptides resulted in no reduction of immunostaining: secretin, gastric inhibitory polypeptide, somatostatin, glucagon, insulin, ACTH, gastrin 34, FMRF-amide, rat GHRF, human GHRF, peptide histidine isoleucine 27, rat pancreatic polypeptide, motilin, peptide YY, substance P, neuropeptide Y, and CGRP. Tissue Rat amygdala, cortex and suprachiasmatic nucleus **Perfusion Fixation** • 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 0.1M phosphate buffer, pH 7.4. • Note: If needed, low levels of glutaraldehyde (0.1-0.3%) may be used in conjunction with paraformaldehyde. 10 µm cryostat or 50 µm vibratome Sections **Tissue Incubation** 18-24 hours at 2º-8ºC **Detection System** Use Bn-AV/HRP or IF reagents at dilutions recommended by the manufacturers. 1/8,000-1/10,000 in PBS/0.3% Triton X-100 - Bn-AV/HRP immunohistochemistry Suggested Dilution **NOTES Special Instructions** It is recommended that the researcher perform a primary antibody dilution series using our dilution recommendations as a guideline. Note that any 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. After reconstitution, use immediately or refrigerate at 2°-8°C up to 2 days. For long-term storage, aliquot Storage antibody and freeze at -15°C or lower. Avoid repeated freeze/thaw cycles.

**Concentration** Not applicable. Antibody concentration is only relevant for purified antibodies.

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

Journal References www.immunostar.com/publications

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

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