



Low magnification IHC image of neurons in the dorsal horn of rat spinal cord.

CCK-8 (Cholecystinin Octapeptide) Antibody

Catalog #	20078	Product type	Primary antibodies
Lot #	912004	Clonality	Polyclonal
Form	Lyophilized whole serum (100 µL)	Isotype	IgG
Host	Rabbit	Preservative	≤ 0.09% sodium azide
Reacts With	Blowfly, Cat, Chick, Decapod Crustacean, Gerbil, Guinea Pig, Hamster, Human, Lizard, Lobster, Minnow, Mollusk, Monkey, Mouse, Mudpuppy, Pigeon, Platypus, Rabbit, Raccoon, Rat, Sheep, Snail, Sting Ray, Tree Frog, Trout, Water Buffalo	Antigen	Sulfated CCK-8 (26-33) coupled to BTg with glutaraldehyde.

INSTRUCTIONS

Preparation	<p>Do not reconstitute until ready to use since the product is most stable when lyophilized. The product does 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 2°–8°C. 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.</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

IHC Quality Control	The antibody has significant indirect immunofluorescence staining and significant Biotin-avidin/HRP immunostaining at a 1/500-1/1,000 dilution in rat hypothalamus and spinal cord. The specificity of the antiserum was examined by soluble preadsorption with the peptides in question at a final concentration of 10 ⁻⁶ M. CCK-8 immunolabeling was completely abolished by preadsorption with CCK-8, gastrin 17 and gastrin 34. Preadsorption with the following peptides resulted in no reduction of immunostaining: αCGRP, βCGRP, neurotensin, somatostatin, substance P, leucine enkephalin, methionine enkephalin, VIP, neuropeptide Y, gastric inhibitory polypeptide, bombesin, glucagon, peptide YY, and FMRF amide.
Tissue	Rat hypothalamus, spinal cord
Perfusion Fixation	<ul style="list-style-type: none"> Fixative: 4% paraformaldehyde in 0.1 M Phosphate buffer, pH 7.4; 500 mL over 20–30 min. Post Fixation: 1.5 hr. at 4°C in 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4.
Sections	10 µm cryostat
Tissue Incubation	18–24 hours at 2°–8°C.
Detection System	Use IF or Bn/AV-HRP according to manufacturer's directions.
Suggested Dilution	1/500–1/1,000 in PBS/0.3% Triton X-100 – Bn/AV-HRP immunohistochemistry

NOTES

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	After reconstitution, use immediately or refrigerate up to 2 days. For long-term storage, aliquot and freeze at -15°C or lower. Avoid repeated freeze/thaw cycles.
Concentration	Not applicable. Antibody concentration is only relevant for purified antibodies.
Journal References	www.immunostar.com/literature/

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

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