IMMUNOSTAR
Antibodies that Shine

FMRF-amide (Cardio-excitatory Peptide) Antibody

IHC images in rat hypothalamus with nickel preparation.

Catalog #	**20091**	**Product type**	Primary antibodies
Lot #	**1331002**	**Clonality**	Polyclonal
Form	Lyophilized whole serum (100 µL)	**Isotype**	IgG
Host	Rabbit	**Preservative**	≤ 0.09% sodium azide
Reacts With	Amphibian, Bat, Beetle, Bug, Cockroach, Crab, Crocodile, Crustacean, Fish, Fly, Frog, Gerbil, Human, Insect, Jellyfish, Leech, Lizard, Lobster, Marine, Mollusk, Monkey, Moth, Mouse, Mussel, Rat, Ray, Salamander, Shrew, Shark, Slug, Snail, Soft Coral, Tick, Trout, Worm, Zebrafish + more	**Antigen**	Synthetic FMRF-Amide coupled to bovine thyroglobulin (BTg) with FNPS.

INSTRUCTIONS

Preparation	Do not reconstitute until ready to use since 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 -15ºC 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 -15ºC 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 ImmunoStar FMRF-Amide antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates significant labeling of rat hypothalamus and spinal cord using indirect immunofluorescent and biotin/avidin-HRP techniques. Staining is completely eliminated by pretreatment of the diluted antibody with 100 ug/mL of FMRF-Amide.
Tissue	Rat hypothalamus and spinal cord
Perfusion Fixation	• Fixative: 4% paraformaldehyde in 0.1 M Phosphate buffer, pH 7.4; 500 mL over 20–30 min. • Post Fixation: 1.5 hour at 4°C in 4% paraformaldehyde in 0.1M phosphate buffer, pH 7.4.
Sections	10 um cryostat
Tissue Incubation	18–24 hours at 2°–8°C
Detection System	Use Cy3 or Bn/AV-HRP according to manufacturers' directions.
Suggested Dilution	1/1,000–1/2,000 in PBS/0.3% Triton X-100 – Bn/Av-HRP immunohistochemistry

NOTES

Dilution	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 at 2º–8ºC 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/publications

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