



IHC image of neurons in rat hypothalamus.

NK3R (Neurokinin 3 Receptor) Antibody

Catalog #	20061	Product type	Primary antibodies
Lot #	906001L	Clonality	Polyclonal
Form	Affinity Purified (100 µL)	Isotype	N/A
Host	Rabbit	Preservative	≤ 0.09% sodium azide
Reacts With	Rat	Antigen	Synthetic peptide corresponding to rat NK3R (438–452) coupled to carrier protein.

INSTRUCTIONS

Preparation	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. Refer to the Instruction Manual available online at www.immunostar.com for information on tissue preparation, immunostaining techniques, troubleshooting, and formulas.
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APPLICATION

IHC Quality Control	The ImmunoStar NK3R antiserum was quality control tested using standard immunohistochemical methods in rat hypothalamus using biotin/avidin-HRP techniques. Specificity of the antiserum was demonstrated by soluble preadsorption and western blot. Tissue staining is completely eliminated by pretreatment of the diluted antibody with 25 µg of rat NK3R peptide residues (438–452). Western blot analysis of crude rat brain homogenate demonstrates two immunoreactive bands of approximately 80 and 115 kD. Due to the difficulty in running westerns with this antibody, ImmunoStar does not support or warrant the western blot application. The western information is included as specificity information only.
Tissue	Rat brain - hypothalamus
Absorption Control	Rat NK3R (438–452) 25 µg/mL diluted antibody completely eliminates immunolabeling
Perfusion Fixation	<ul style="list-style-type: none"> Fixative: 4% paraformaldehyde in 0.1 M 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: Paraformaldehyde is a necessary component in fixation. If needed, low levels of glutaraldehyde (0.1–0.3%) may be used in conjunction with paraformaldehyde.
Sections	10 µm cryostat or 50 µm vibratome
Tissue Incubation	48 hours at 2°–8°C
Detection System	Bn/AV-HRP at dilutions recommended by the manufacturers.
Suggested Dilution	1/1,000–1/2,000 in PBS/0.3% Triton X-100 for 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	Store at 2°–8°C until expiration date.
Concentration	N/A
Journal Articles	www.immunostar.com/publications

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

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