

Product Datasheet

Galanin Antibody (4B3) - Azide and BSA Free NBP3-09010-0.2mg

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-09010-0.2mg

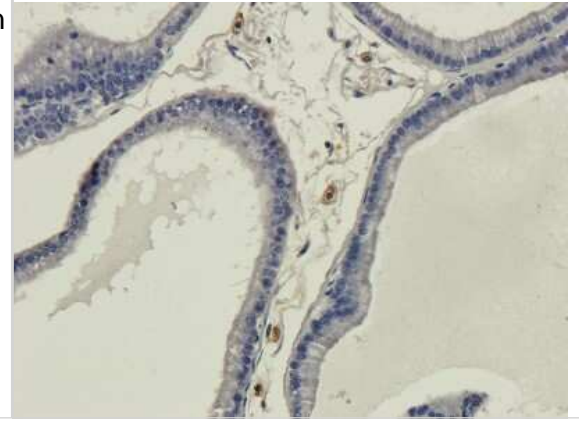
Galanin Antibody (4B3) - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4B3
Preservative	0.02% Proclin 300
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse Galanin Antibody (4B3) - Azide and BSA Free (NBP3-09010) is a recombinant monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	51083
Gene Symbol	GAL
Species	Human, Mouse
Specificity/Sensitivity	The antibody binds to galanin with an affinity constant (Kd) of 0.07 nM reported for the original antibody.
Immunogen	C-terminal fusions of KLH to human galanin,
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Block/Neutralize
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Block/Neutralize
Application Notes	<p>This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.</p> <p>The antibody binds specifically to galanin, a neuropeptide involved in many biological processes, including nociception, modulation and inhibition of action potentials, cognition, feeding, regulation of mood and blood pressure, smooth muscle contraction of the gastrointestinal (GI) tract and insulin release. Galanin acts on three G-protein coupled receptors, GALR1, GALR2 and GALR3, which are highly expressed in the brain, spinal cord and GI tract of humans and other mammals. Activation of the receptors has been reported to activate ATP-sensitive K⁺ channels, and inhibit voltage-gated Ca²⁺ channels. Galanin has been associated with the development of cancer, Alzheimer's disease, epilepsy, depression, eating disorders, diabetes and obesity. The monoclonal antibody 4B3 binds to the C-terminal region of Galanin, between residues 21 and 27, blocking its activity, and can be used clinically in the prevention and treatment of diseases mentioned.</p>



Images

Immunohistochemistry: Galanin Antibody (4B3) [NBP3-09010] - Formalin fixed rat prostate slices were stained with NBP3-09010 at 3 ug/ml.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP3-09010-0.2mg

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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