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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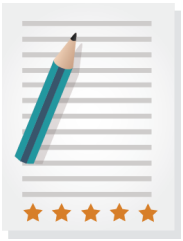


NBP3-09010-0.2mg

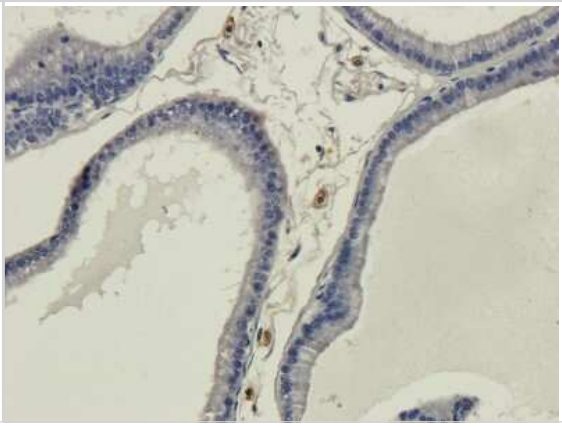
Galanin Antibody (4B3) - Azide and BSA Free

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	
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	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. 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.

Images

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

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Products Related to NBP3-09010-0.2mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-23069	Recombinant Human Galanin His Protein

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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