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GAL Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5746b

Product Information

Application	WB, IF, FC, E
Primary Accession	P22466
Other Accession	NP_057057
Reactivity	Human, Mouse
Predicted	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB15038
Calculated MW	13302
Antigen Region	73-101

Additional Information

Gene ID	51083
Other Names	Galanin peptides, Galanin, Galanin message-associated peptide, GMAP, GAL, GAL1, GALN, GLNN
Target/Specificity	This GAL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 73-101 amino acids from the C-terminal region of human GAL.
Dilution	WB~~1:1000 IF~~1:10~50 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GAL Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GAL
Synonyms	GAL1, GALN, GLNN

Function	Endocrine hormone of the central and peripheral nervous systems that binds and activates the G protein-coupled receptors GALR1, GALR2, and GALR3. This small neuropeptide may regulate diverse physiologic functions including contraction of smooth muscle of the gastrointestinal and genitourinary tract, growth hormone and insulin release and adrenal secretion.
Cellular Location	Secreted

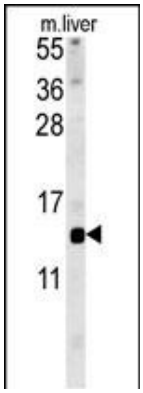
Background

Galanin is small neuropeptide that functions as a cellular messenger within the central and peripheral nervous systems, modulating diverse physiologic functions (Mechenthaler, 2008 [PubMed 18500643]).

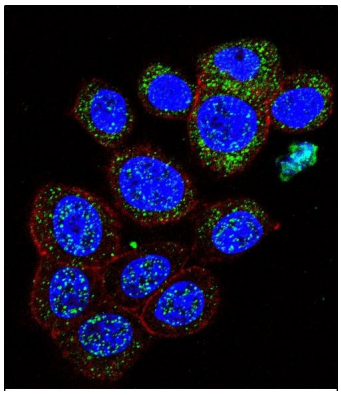
References

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Gratacos, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009)
Sugimoto, T., et al. Genes Chromosomes Cancer 48(2):132-142(2009)
Burleigh, D.E., et al. Neuropeptides 16(2):77-82(1990)

Images

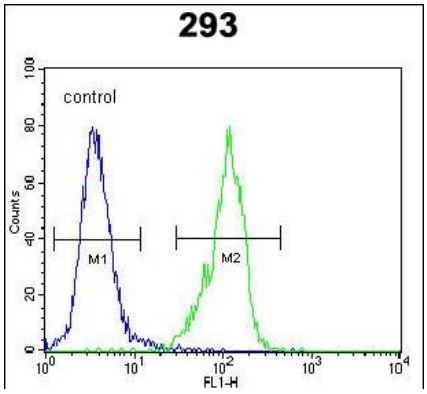


GAL Antibody (C-term) (Cat. #AP5746b) western blot analysis in mouse liver tissue lysates (15ug/lane).This demonstrates the GAL antibody detected GAL protein (arrow).



Confocal immunofluorescent analysis of GAL Antibody (C-term)(Cat#AP5746b) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).

GAL Antibody (C-term) (Cat. #AP5746b) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.