10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GAL Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5746b

Specification

GAL Antibody (C-term) - Product Information

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

GAL Antibody (C-term) - 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
IF~~1:10~50
WB~~1:1000
FC~~1:10~50

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.

GAL Antibody (C-term) - 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.

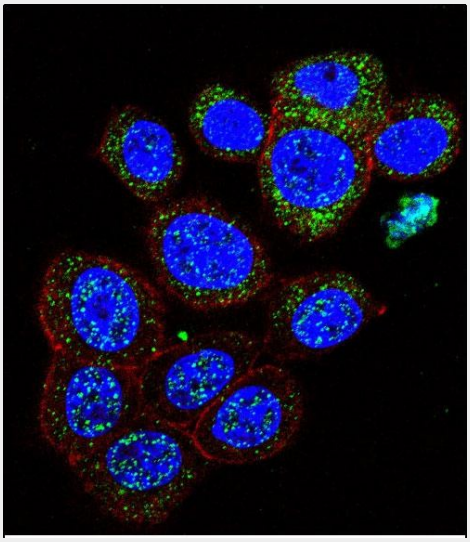
Cellular Location
Secreted

GAL Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

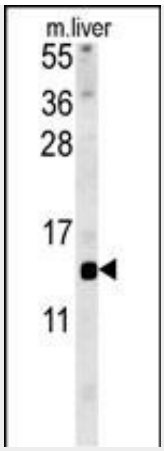
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GAL Antibody (C-term) - Images

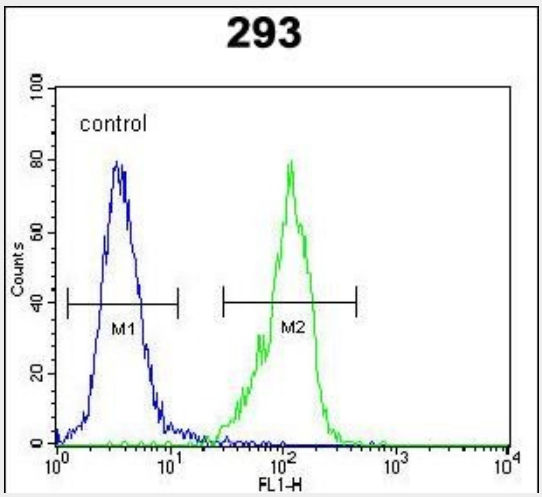


Confocal immunofluorescent analysis of GAL Antibody (C-term)(Cat#AP5746b) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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).



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.

GAL Antibody (C-term) - 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]).

GAL Antibody (C-term) - References

Unschuld, P.G., et al. Neuropsychopharmacology (2010)
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)