

Mouse Anti-Galanin antibody

SL0017M

Product Name	Galanin
Chinese Name	甘丙肽/神经节肽抗体
Alias	GAL 1; GAL; GAL1; Galanin precursor; GALN; GLNN; GMAP; MGC40167; GALA_HUMAN.
Research Area	Cardiovascular immunology Neurobiology Diabetes Endocrinopathy
Immunogen Species	Mouse
Clonality	Polyclonal
React Species	Rat (predicted:Human,Mouse,Chicken,Dog,Pig,Cow,Horse,Sheep,GuineaPig) IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	3/13kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Galanin: 33-62/123
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product	Galanin is small neuropeptide that functions as a cellular messenger within the central

Detail

and peripheral nervous systems, modulating diverse physiologic functions (Mechenthaler, 2008 [PubMed 18500643]).[supplied by OMIM, Jan 2009]

Function:

Contracts smooth muscle of the gastrointestinal and genitourinary tract, regulates growth hormone release, modulates insulin release, and may be involved in the control of adrenal secretion.

Subcellular Location:

Secreted.

Similarity:

Belongs to the galanin family.

SWISS:

P22466

Gene ID:

51083

Database links:

[Entrez Gene: 280799](#) Cow

[Entrez Gene: 51083](#) Human

[Entrez Gene: 14419](#) Mouse

[Entrez Gene: 29141](#) Rat

[Omim: 137035](#) Human

[SwissProt: P11242](#) Cow

[SwissProt: P22466](#) Human

[SwissProt: P47212](#) Mouse

[SwissProt: P10683](#) Rat

[Unigene: 278959](#) Human

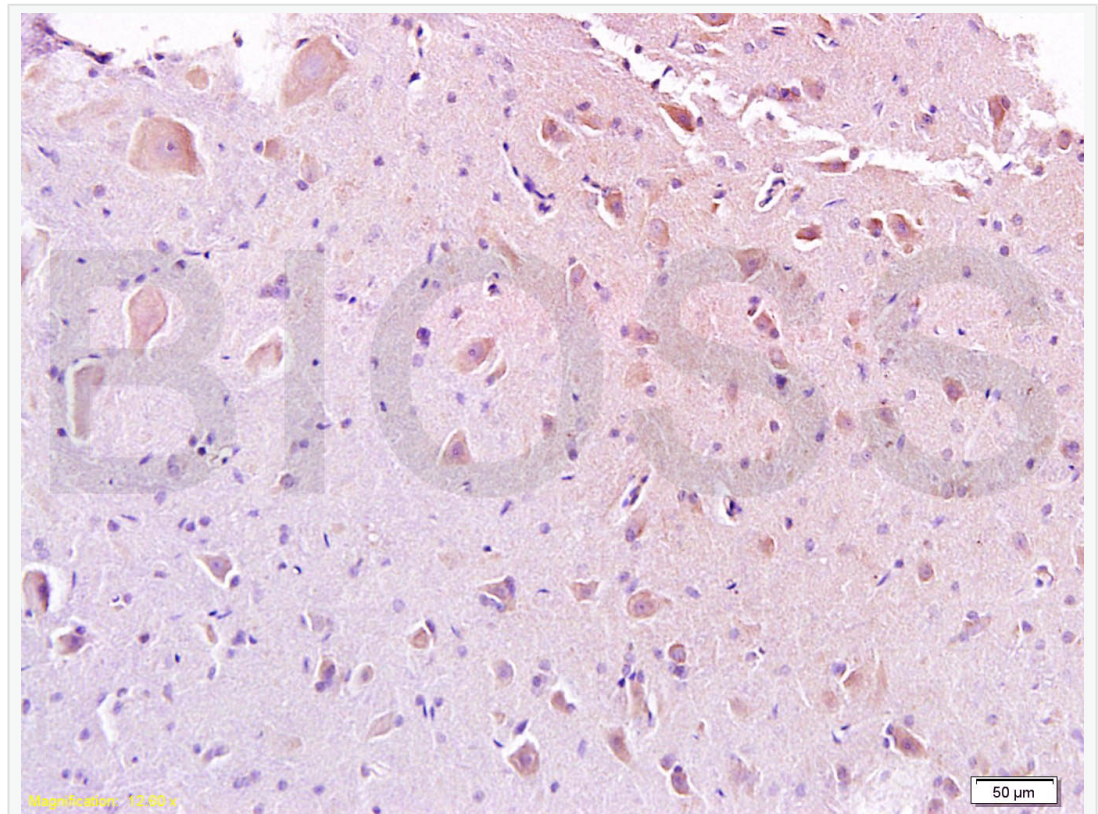
[Unigene: 4655](#) Mouse

[Unigene: 8929](#) Rat

神经节肽（Galanin）是由 30 个氨基酸残基组成的神经肽。最初认为只在相当小

的背根神经节细胞群体及脊髓神经元中出现，后发现在消化道及胰腺中也广泛分布。与感觉的调整有关，对痛觉传递及脊髓兴奋起抑制作用，在很多禽类动物中有表达，是中枢神经系统及内分泌腺的神经调节肽。

**Product
Picture**



Tissue/cell: rat spinal cord; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer
(normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Galanin Polyclonal Antibody, Unconjugated(SL0017M) 1:200,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0024)
and DAB(C-0010) staining