



## Mouse Anti-Galanin antibody

SL0017M

<b>Product Name:</b>	Galanin
<b>Chinese Name:</b>	甘丙肽/神经节肽抗体
<b>Alias:</b>	GAL 1; GAL; GAL1; Galanin precursor; GALN; GLNN; GMAP; MGC40167; GALA_HUMAN.
<b>Organism Species:</b>	Mouse
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,Guinea Pig,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	3/13kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Galanin:33-62/123
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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]).[supplied by OMIM, Jan 2009]  <b>Function:</b> 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

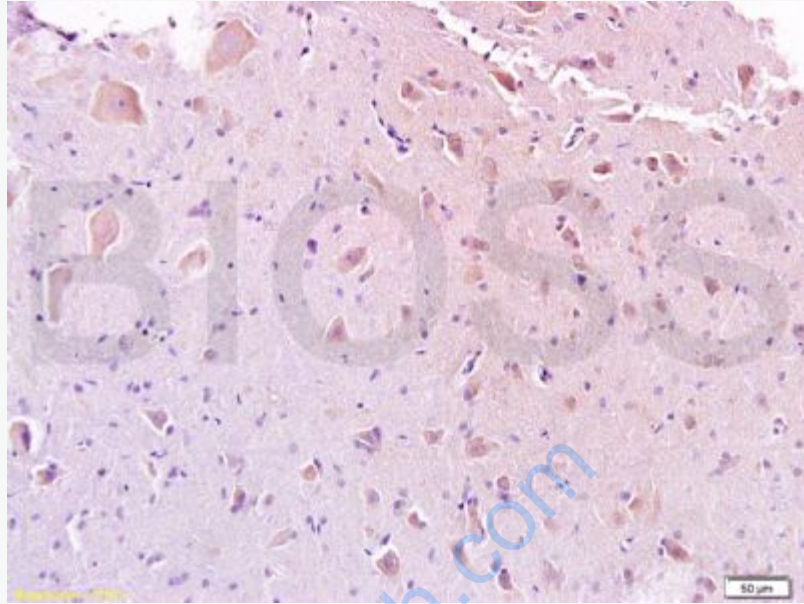
[Unigene: 4655](#)Mouse

[Unigene: 8929](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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胰腺的神经调节肽。



**Picture:**

Tissue/cell: rat spinal cord; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, 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