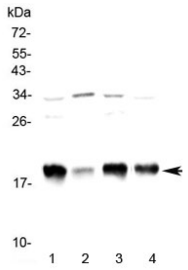
Galanin Antibody (RQ4171)

Catalog No.	Formulation	Size
RQ4171	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Predicted Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P22466
Applications	Western Blot: 0.5-1ug/ml
Limitations	This Galanin antibody is available for research use only.



Western blot testing of 1) rat brain, 2) rat small intestine, 3) mouse brain and 4) mouse small intestine lysate with Galanin antibody at 0.5ug/ml. Predicted molecular weight ~13 kDa.

Description

Galanin is a neuropeptide encoded by the GAL gene, that is widely expressed in the brain, spinal cord, and gut of humans as well as other mammals. This gene encodes a neuroendocrine peptide that is widely expressed in the central and peripheral nervous systems and also the gastrointestinal tract, pancreas, adrenal gland and urogenital tract. The encoded protein is a precursor that is proteolytically processed to generate two mature peptides: galanin and galanin message-associated peptide (GMAP). Galanin has diverse physiological functions including nociception, feeding and

energy homeostasis, osmotic regulation and water balance. GMAP has been demonstrated to possess antifungal activity and hypothesized to be part of the innate immune system.

Application Notes

Optimal dilution of the Galanin antibody should be determined by the researcher.

Immunogen

Amino acids WTLNSAGYLLGPHAVGNHRSFSDKNGLTS were used as the immunogen for the Galanin antibody.

Storage

After reconstitution, the Galanin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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