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Datasheet for ABIN5647792

anti-GAL antibody

1 Image

Overview

Quantity:	100 µg
Target:	GAL
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	Amino acids WTLNSAGYLLGPHAVGNHRFSKDKNGLTS were used as the immunogen for the Galanin antibody.
Isotype:	IgG
Cross-Reactivity (Details):	Expected species reactivity: Human
Purification:	Antigen affinity purified

Target Details

Target:	GAL
Alternative Name:	Galanin / GALN (GAL Products)
Background:	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

Target Details

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.

UniProt: [P22466](#)

Pathways: [Hormone Transport](#), [Regulation of Hormone Metabolic Process](#), [Feeding Behaviour](#)

Application Details

Application Notes: Optimal dilution of the Galanin antibody should be determined by the researcher. Western Blot: 0.5-1 µg/mL

Restrictions: For Research Use only

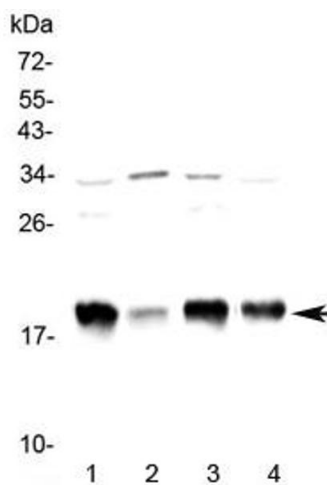
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

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

Images



Western Blotting

Image 1. 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.