



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Galanin

Galanin is a 39 amino acid neuropeptide produced from the cleavage of the 123 amino acid preprogalanin (encoded by *GAL* gene). It is an inhibitory, hyperpolarizing neuropeptide and as such inhibits neurotransmitter release. Galanin signaling occurs through three G protein-coupled receptors and it is widely expressed in the brain, spinal cord, and gut of humans as well as other mammals. Galanin has been implicated in biological functions such as nociception, waking and sleep regulation, cognition, feeding, regulation of mood, and regulation of blood pressure,

This antibody was generated by immunization of rabbits with Galanin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4333 (Lot A09114)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Mouse, rat
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.

Reconstitute by adding 0.2ml of distilled water.

Stability and Storage: Original vial: 1 year at 4° - 8°C from date of purchase.
Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.

Immunogen: Synthetic peptide H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-His-Ala-Ile-Asp-Asn-His-Arg-Ser-Phe-Ser-Asp-Lys-His-Gly-Leu-Thr-NH₂ coupled to carrier protein.

Protein database: [mouse-P41212](#), [rat-P10683](#)

Cross-Reactivity:

PEPTIDE	%
Galanin (rat)	100
Galanin (porcine)	0.1
Secretin (porcine)	0
VIP (human, bovine, porcine, rat)	0

Cross-Reactivity:

PEPTIDE	%
GMAP (1-41) amide (porcine)	0
Substance P	0
NPY (porcine)	0
PHM-27 (human)	0

Applications:

Tested in ELISA against Galanin and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Optimal dilutions should be determined by the end user
Please see **www.bma.ch** for protocols and general information

Related Products:

S-1208: ELISA high sensitivity for extracted samples (ms, rt)
T-4334: Rabbit anti Galanin, neat antiserum (ms, rt)
T-4332: Rabbit anti Galanin, diluted antiserum (ms, rt)
T-4333: Rabbit anti Galanin, purified antiserum (ms, rt)

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.