



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4324

### Rabbit anti Galanin (human) [UniProt: P22466]

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.

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### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	950141-1
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50ml
<b>Format:</b>	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN <sub>3</sub> , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
<b>Stability:</b>	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against Galanin. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-His-Ala-Val-Gly-Asn-His-Arg-Ser-Phe-Ser-Asp-Lys-Asn-Gly-Leu-Thr-Ser-OH coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE</b>	<b>%</b>
Galanin (human)	100
Galanin (rat)	100
Galanin (porcine)	100
Galanin (1-16) (porcine, rat)	100
PHM-27 (human)	0
Secretin (human)	0
VIP (human, porcine, rat)	0
Substance P	0
Insulin (human)	0
GMAP (1-41) amide	0

**Related Products:**

S-1208: ELISA, high sensitivity for extracted samples (ms, rt)  
T-4334: anti Galanin (ms, rt), neat antiserum  
T-4332: anti Galanin (ms, rt), diluted antiserum  
T-4333: anti Galanin (ms, rt), purified IgG  
T-4325: anti Galanin (hu), purified IgG  
T-4326: anti Galanin (hu), neat antiserum  
T-4324: anti Galanin (hu), diluted antiserum

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This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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diluted antiserum –hu

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