



BMA BIOMEDICALS



Peninsula Laboratories

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## T-5036

### Guinea pig anti Galanin (porcine) [UniProt: P07480]

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 guinea pigs with Galanin coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A18PO21124
<b>Host species:</b>	Guinea pig
<b>Quantity:</b>	50µl
<b>Format:</b>	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
<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 and immunohistochemistry (IHC). Other applications like 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-Ile-Asp-Asn-His-Arg-Ser-Phe-His-Asp-Lys-Tyr-Gly-Leu-Ala-NH <sub>2</sub> coupled to carrier protein.
<b>Related Products:</b>	T-4328: anti Galanin (po), diluted antiserum T-4329: anti Galanin (po), purified IgG T-4330: anti Galanin (po), neat antiserum T-5035: anti Galanin (po), diluted antiserum, host: Guinea pig

This product contains no 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.