



BMA BIOMEDICALS



Peninsula Laboratories

---

## T-4260

### Rabbit anti Delta-Sleep Inducing Peptide

Delta-sleep-inducing peptide (DSIP) is an amphiphilic neuropeptide that when infused into the mesodiencephalic ventricle of recipient rabbits induces spindle and delta EEG activity and reduced motor activities. It has been found in both free and bound forms in the hypothalamus, limbic system and pituitary as well as various peripheral organs, tissues and body fluids. In the pituitary, it co-localizes with many peptide and non-peptide mediators such as corticotropin-like intermediate peptide (CLIP), adrenocorticotrophic hormone (ACTH), melanocyte-stimulating hormone (MSH), thyroid-stimulating hormone (TSH) and melanin concentrating hormone (MCH). Delta-sleep-inducing peptide is abundant in the gut secretory cells and in the pancreas where it co-localizes with glucagon. It functions in endocrine regulation and in physiological processes.

This antibody was generated by immunization of rabbits with Delta-sleep-inducing peptide coupled to a carrier protein.

---

#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	n/a
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400µg
<b>Format:</b>	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
<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 Delta-sleep-inducing peptide. 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-Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-Glu-NH <sub>2</sub> coupled to a carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%:</b>
Delta Sleep-Inducing Peptide	100
CRF (human, rat)	0
ACTH (human)	0
Substance P	0
[Arg <sup>8</sup> ]-Vasopressin	0
PACAP-38 (human, mouse, ovine, porcine, rat)	0

Related Products: T-4261: Rabbit anti Delta-sleep-inducing peptide, neat antiserum

---

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.

T-4260

rabbit IgG

1.3.2021

---

BMA BIOMEDICALS, Rheinstrasse 28-32, CH-4302 Augst (Switzerland)  
Phone: +41 61 811 6222, Fax: +41 61 811 6006, info@bma.ch, www.bma.ch