

Product datasheet for **TA364051**

Delta-Sleep Inducing Peptide Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	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.
Reactivity:	Human, Mammalian
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide H-Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-Glu-NH ₂ coupled to carrier protein.
Formulation:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	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.
Background:	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.



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