

Product datasheet

Anti-Dynorphin A antibody ab11134

5 References

Overview

Product name	Anti-Dynorphin A antibody
Description	Rabbit polyclonal to Dynorphin A
Host species	Rabbit
Specificity	This antibody blocks with dynorphin 1-17 and 1-8 but not with other related peptides. Cells are found in the paraventricular and supraoptic nucleus and fibers are found in the lateral hypothalamus in rat brain of 4% FA perfused colchicine tissue.
Species reactivity	Reacts with: Mouse, Rat, Human, Pig, Rhesus monkey
	Predicted to work with: Guinea pig, Cow 
Immunogen	Synthetic peptide: YGGFLRRIRPKLKWDNQ (Pig).
	 Run BLAST with  Run BLAST with
General notes	This product should be stored undiluted. Storage in frost free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, Whole serum, 0.1% BSA
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Target

Relevance	Dynorphins are a class of peptides produced by many different populations of neurons, which has some opiate like activity. It is thus classed as an endogenous opioid peptide. The dynorphins, which include dynorphin A, dynorphin B, alpha and beta neoendorphin, and big dynorphin, are all
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the products of a single gene, 'preprodynorphin'. Dynorphin is produced in many different parts of the brain, including the hypothalamus, the hippocampus and the spinal cord, and has many different physiological actions, depending upon its site of production. Dynorphin is involved in modulating responses to several psychoactive substances, including cocaine. As such, it may help some individuals against addiction. Blocking dynorphin may help alleviate depression.

Cellular localization

Secreted

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