




## Product datasheet

# Anti-Dynorphin A antibody ab11134

## 5 References

### Overview

<b>Product name</b>	Anti-Dynorphin A antibody
<b>Description</b>	Rabbit polyclonal to Dynorphin A
<b>Host species</b>	Rabbit
<b>Specificity</b>	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.
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human, Pig, Rhesus monkey <b>Predicted to work with:</b> Guinea pig, Cow 
<b>Immunogen</b>	Synthetic peptide: YGGFLRRIRPKLKWDNQ (Pig). <a href="#"> Run BLAST with</a> <a href="#"> Run BLAST with</a>
<b>General notes</b>	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

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituents: PBS, Whole serum, 0.1% BSA
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Target

<b>Relevance</b>	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

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