

# Product Datasheet

## Beta-endorphin Antibody

### NBP1-78325

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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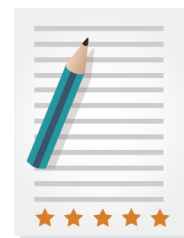
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**NBP1-78325**

## Beta-endorphin Antibody

Product Information	
Unit Size	0.1 ml
Concentration	LYOPH mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 0.1 ml of distilled or deionized water. If desired, dilute with PBS or Tris buffer at a dilution no higher than 1/10.
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.7)

Product Description	
Host	Rabbit
Gene ID	5443
Gene Symbol	POMC
Species	Mouse, Rat
Reactivity Notes	Reacts with Rat, Mouse
Immunogen	Synthetic (human) beta Endorphin coupled to keyhole limpet hemocyanin (KLH) by a carbodiimide (CDI) linker.
Notes	Fixative: 4% paraformaldehyde in 0.1M Phosphate buffer, pH 7.4; 500 mL over ~20 min. Post Fixation: 1.5 hour at 4 degrees C in 4% paraformaldehyde in 0.1M phosphate buffer, pH 7.4.

Product Application Details	
Applications	Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Immunocytochemistry/Immunofluorescence 1:200-1:400
Application Notes	The antibody produces significant indirect immunofluorescent staining at a 1/200 - 1/400 dilution and significant biotin-avidin/HRP staining at a 1/1,000 - 1/2,000 dilution in rat anterior pituitary. Staining is completely eliminated by pretreatment of the diluted antibody with 10 <sup>-6</sup> M of $\beta$ -Endorphin. Pre-adsorption of the diluted antibody with 10 <sup>-6</sup> M of the following substances had no effect on $\beta$ -Endorphin labeling: methionine enkephalin, leucine enkephalin, dynorphin A, dynorphin B, gamma-endorphin, alpha-endorphin, ACTH and alpha-melanocyte stimulating hormone.

**Publications**

Zaza Kokrashvili, Deniliz Rodriguez, Valeriya Yevshayeva, Hang Zhou, Robert F. Release of Endogenous Opioids From Duodenal Enteroendocrine Cells Requires Trpm5, Margolskee, And Bedrich Mosinger. Gastroenterology, 137, 598-606,, Tested in mice. 2009-01-01 [PMID: 19272386]



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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