



# Anti-RFRP-3 polyclonal antibody (DPAB3866)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Guinea pig polyclonal to sheep RFRP-3.
<b>Antigen Description</b>	Neuropeptide VF is the precursor of neuropeptides NPSF (RFRP-1), RFRP-2 and RFRP-3 (NPVF). RFRP-3 is reported to inhibit forskolin-induced production of cAMP. RFRP-3 has also been shown to block morphine-induced analgesia.
<b>Specificity</b>	Specificity was demonstrated by immunohistochemistry.
<b>Immunogen</b>	A synthetic peptide (VPNLPQRF) corresponding to the amino acids from human Neuropeptide VF. Neuropeptide VF is the precursor of the neuropeptides NPSF (RFRP-1), RFRP-2 and RFRP-3. The synthetic peptide was conjugated to a carrier protein KLH to enhance th
<b>Isotype</b>	Whole serum
<b>Source/Host</b>	Guinea pig
<b>Species Reactivity</b>	Sheep
<b>Clone</b>	125-132
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC
<b>Reconstitution</b>	Reconstitute in 50 µsterile water. Centrifuge to remove any insoluble material.
<b>Format</b>	Lyophilized
<b>Size</b>	50 µl
<b>Preservative</b>	None
<b>Storage</b>	At least 12 months after purchase at 2-4°C (lyophilized formulations). After

reconstitution, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.

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## BACKGROUND

### Introduction

FMRFamide (Phe-Met-Arg-Phe-NH<sub>2</sub>) is a neuropeptide from a broad family of FMRFamide-related peptides (FaRPs) all sharing an -RFamide sequence at their C-terminus. First identified in Hard clam *Mercenaria mercenaria* it is thought to play an important role in cardiac activity regulation. In *Mercenaria mercenaria*, FMRFamide has been isolated and demonstrated to increase both the force and frequency of the heartbeat through a biochemical pathway that is thought to involve the increase of cytoplasmic cAMP in the ventricular region.

### Keywords

FMRFamide related peptide precursor; FMRFAL; FMRFamide related peptides precursor; FMRFamide-related peptides [Precursor]; Neuropeptide FF amide peptide precursor; NPFF; NPFF protein

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