

## Product datasheet

# Anti-RFRP antibody ab122738

[2 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-RFRP antibody
<b>Description</b>	Rabbit polyclonal to RFRP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human RFRP aa 105-176. Sequence: TANLPLRSGRNMEVSLVRRVPNLPQRFGRITTTAKSVCRM LSDLCQGSMHS PCANDLFYSMTCQHQEIQNPDQ <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC-P:Human retina tissue; WB: RT4 and U-251 MG whole cells, human liver and tonsil tissue lysates.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab122738 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.04 - 0.4 µg/ml.
IHC-P		1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

### Function

Neuropeptide RFRP-1 acts as a potent negative regulator of gonadotropin synthesis and secretion. Neuropeptides NPSF and NPVF efficiently inhibit forskolin-induced production of cAMP, but RFRP-2 shows no inhibitory activity. Neuropeptide RFRP-1 induces secretion of prolactin in rats. Neuropeptide NPVF blocks morphine-induced analgesia.

### Tissue specificity

Isoform 1 is specifically expressed in the retina. Neuropeptides RFRP-1 and NPVF are detected in the hypothalamus.

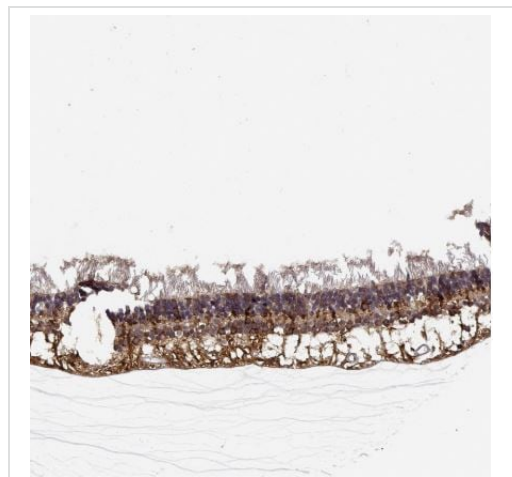
### Sequence similarities

Belongs to the FARP (FMRFamide related peptide) family.

### Cellular localization

Secreted.

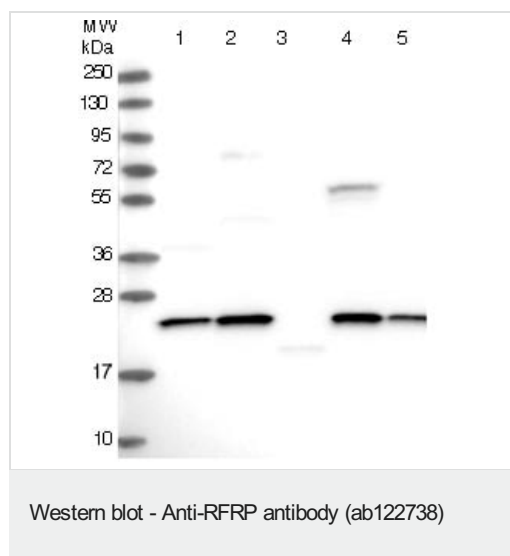
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RFRP antibody (ab122738)

Immunohistochemical analysis of human retina tissue labeling RFRP with ab122738 at a 1/1000 dilution.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



**All lanes :** Anti-RFRP antibody (ab122738) at 0.4 µg/ml

**Lane 1 :** RT4 (Human urinary bladder cancer cell line) whole cell lysate

**Lane 2 :** U-251 MG (formally U-373 MG) (Human brain glioma cell line) whole cell lysate

**Lane 3 :** Human plasma tissue lysate

**Lane 4 :** Human liver tissue lysate

**Lane 5 :** Human tonsil tissue lysate

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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