

## Product datasheet

# Anti-RNF22 antibody ab4215

★★★★★ 2 Abreviews 1 References 3 Images

### Overview

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<b>Product name</b>	Anti-RNF22 antibody
<b>Description</b>	Goat polyclonal to RNF22
<b>Host species</b>	Goat
<b>Specificity</b>	This antibody is expected to recognise both human isoforms.
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human <b>Predicted to work with:</b> Cow, Dog
<b>Immunogen</b>	Synthetic peptide: AKREDSPGPEVQP-C , corresponding to N terminal amino acids 2-14 of Human RNF22 (Peptide available as <a href="#">ab23010</a> .)  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>

### Properties

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<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>	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab4215** 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
IP	★★★★★	
WB	★★★★★	

**Application notes**

ELISA: Use at an assay dependent dilution.  
 IP: Use at an assay dependent dilution.  
 WB: Use at a concentration of 0.1 - 1 µg/ml. Approx 85kDa band seen in Mouse Brain and Human Brain (Cerebellum) lysate [Predicted MW of approx. 80.8kDa according to NP\_006449.2].

Not yet tested in other applications.  
 Optimal dilutions/concentrations should be determined by the end user.

**Target**

**Function** Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation.

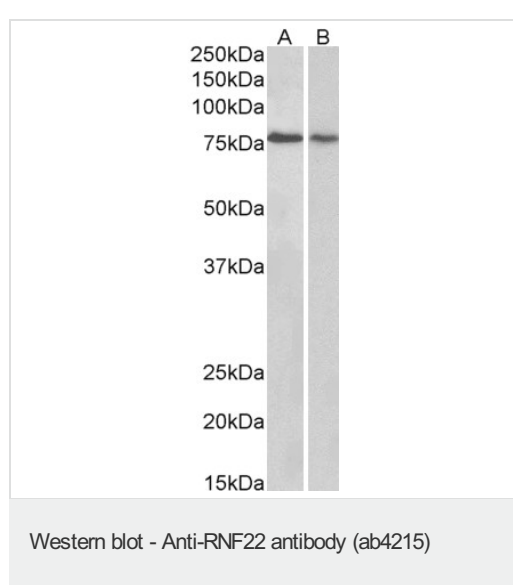
**Tissue specificity** Expressed in brain, heart, uterus and testis.

**Sequence similarities** Belongs to the TRIM/RBCC family.  
 Contains 1 B box-type zinc finger.  
 Contains 1 filamin repeat.  
 Contains 6 NHL repeats.  
 Contains 1 RING-type zinc finger.

**Domain** The interaction with MYO5B is dependent upon its NHL repeats, which form a beta-propeller (NHL) domain containing six blades.

**Cellular localization** Cytoplasm. Early endosome.

**Images**



**All lanes :** Anti-RNF22 antibody (ab4215) at 0.3 µg/ml

**Lane 1 :** Human cerebellum lysate (RIPA Buffer)

**Lane 2 :** Rat brain lysate (RIPA Buffer)

Lysates/proteins at 35 µg per lane.

**Predicted band size:** 81 kDa

Western blot - Anti-RNF22 antibody (ab4215)



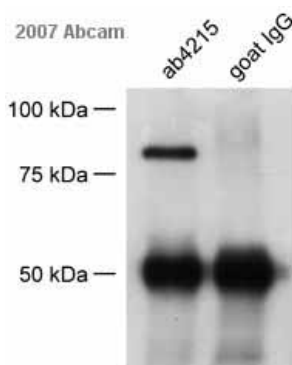
Western blot - Anti-RNF22 antibody (ab4215)

Anti-RNF22 antibody (ab4215) at 0.5 µg/ml +  
 Mouse Brain (RIPA buffer) at 30 µg

**Predicted band size:** 81 kDa

**Observed band size:** 85 kDa

Primary incubated for 1 hour. Detected by  
 western blot using chemiluminescence.



Immunoprecipitation - Anti-RNF22 antibody (ab4215)

This image is courtesy of an Abreview submitted by Dr  
 Christoph Maas

ab4215 immunoprecipitating RNF22 from rat  
 brain tissue whole lysate. The antibody was  
 used at a concentration of 2.5ug/mg of lysate.  
 A Protein G matrix was used. The same  
 antibody was used in the Western blot stage  
 of the experiment (left hand panel).

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