

Product datasheet

Anti-RNF22 antibody ab4215

★★★★★ 2 Abreviews 1 References 3 Images

Overview

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

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



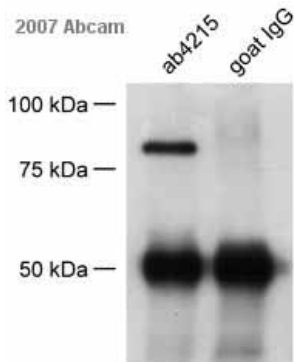
Western blot - RNF22 antibody (ab4215)

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 - 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 2.5µg/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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