

For Research Use Only

# KIAA1715 Recombinant antibody

Catalog Number: 83418-4-RR



## Basic Information

<b>Catalog Number:</b> 83418-4-RR	<b>GenBank Accession Number:</b> BC105132	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 80856	<b>CloneNo.:</b> 240211C7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9C0E8	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> KIAA1715	
<b>Immunogen Catalog Number:</b> AG34669	<b>Observed MW:</b> 51 kDa	

## Applications

**Tested Applications:**  
WB, IHC, FC (Intra), ELISA

**Species Specificity:**  
human, mouse

**Positive Controls:**  
WB : mouse testis tissue, mouse kidney tissue  
IHC : mouse cerebellum tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

KIAA1715, also known as LNPK, is a member of the conserved Lunapark protein family. KIAA1715 is an endoplasmic reticulum (ER) membrane protein consisting of an N-terminal domain important for N-myristoylation and ER targeting, two transmembrane domains and a unique zinc finger domain. It has 4 isoforms produced by alternative splicing and acts mainly as a stabilizer of negative membrane curvature (PMID: 27619977).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

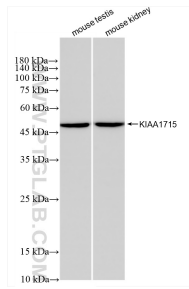
T: 4006900926

E: Proteintech-CN@ptglab.com

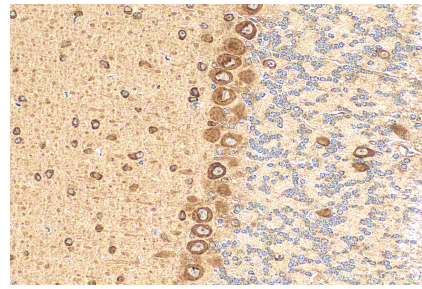
W: ptgcn.com

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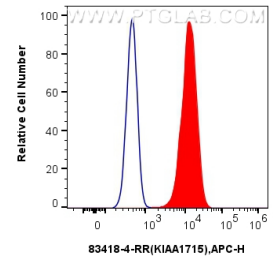
## Selected Validation Data



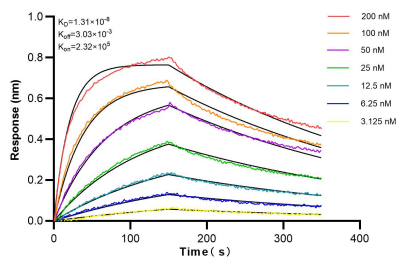
Various lysates were subjected to SDS PAGE followed by western blot with 83418-4-RR (KIAA1715 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 83418-4-RR (KIAA1715 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



$1 \times 10^6$  U-251 cells were intracellularly stained with 0.25  $\mu$ g KIAA1715 Recombinant antibody (83418-4-RR, Clone:240211C7) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83418-4-RR against Human KIAA1715 were performed. The affinity constant is 13.1 nM.