

For Research Use Only

# RTCB Recombinant antibody

Catalog Number: 86258-5-RR



## Basic Information

|                           |   |                           |                                     |                        |                        |
|---------------------------|---|---------------------------|-------------------------------------|------------------------|------------------------|
| Catalog Number:           | 86258-5-RR                                    | GenBank Accession Number: | BC000151                            | Purification Method:   | Protein A purification |
| Size:                     | 100ul, Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI):            | 51493                               | CloneNo.:              | 250866G9               |
| Source:                   | Rabbit  | UNIPROT ID:               | Q9Y3I0                              | Recommended Dilutions: | WB: 1:5000-1:50000     |
| Isotype:                  | IgG   | Full Name:                | chromosome 22 open reading frame 28 |                        |                        |
| Immunogen Catalog Number: | AG13836                                       | Calculated MW:            | 55 kDa                              |                        |                        |
|                           |   | Observed MW:              | 55 kDa                              |                        |                        |

## Applications

|                      |                   |   |
|----------------------|-------------------|---|
| Tested Applications: | WB, ELISA         | Positive Controls:  |
| Species Specificity: | human, mouse, rat | WB: Jurkat cells, HeLa cells, HEK-293T cells, HepG2 cells, 3T3-L1 cells, mouse brain tissue, rat brain tissue |

## Background Information

RTCB (also known as HSPC117, C22orf28, FAAP and D10Wsu52e) is an essential subunit of a tRNA ligase complex that is involved in RNA repair and stress-induced splicing. As a multifunctional protein, RTCB is also a cell adhesion protein and is important in embryo and placenta development. Recently RTCB has been identified as UPR RNA ligase catalyzing unconventional XBP1 mRNA splicing. This antibody specifically recognizes endogenous RTCB protein. (25087875)

## Storage

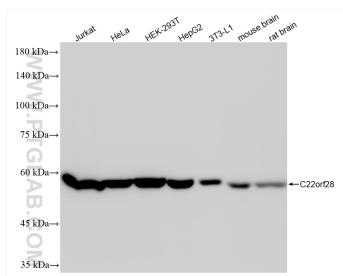
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

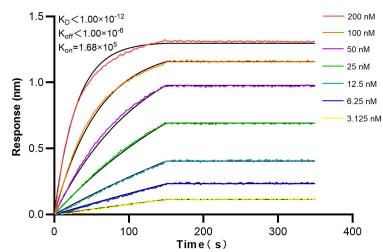
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86258-5-RR (C22orf28 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86258-5-RR against Human RTCB were performed. The affinity constant is below 1 pM.