

For Research Use Only

RTCB Recombinant monoclonal antibody, PBS Only

Catalog Number: 86258-4-PBS



Basic Information

Catalog Number:	86258-4-PBS	GenBank Accession Number:	BC000151	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI):	51493	CloneNo.:	250866B2
Source:	Rabbit	UNIPROT ID:	Q9Y3I0	Full Name:	chromosome 22 open reading frame 28
Isotype:	IgG	Calculated MW:	55 kDa	Observed MW:	55 kDa
Immunogen Catalog Number:	AG13836				

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

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)

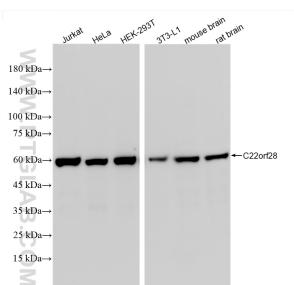
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

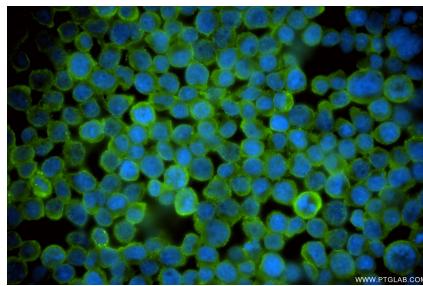
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
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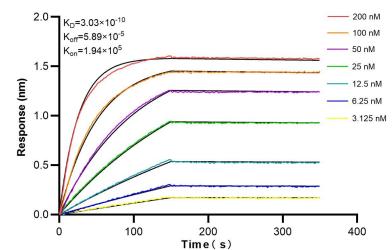
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86258-4-RR (C22orf28 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86258-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using RTCB antibody (86258-4-RR, Clone: 250866B2) at dilution of 1:500 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 86258-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86258-4-PBS against Human RTCB were performed. The affinity constant is 0.303 nM.