

For Research Use Only

ZC3H12A Recombinant antibody

Catalog Number: 84521-5-RR



Basic Information

Catalog Number: 84521-5-RR	GenBank Accession Number: BC005001	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 80149	CloneNo.: 241876H5
Source: Rabbit	UNIPROT ID: Q5D1E8	Recommended Dilutions: WB 1:500-1:2000 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: zinc finger CCCH-type containing 12A	
Immunogen Catalog Number: AG13877	Calculated MW: 599 aa, 66 kDa	
	Observed MW: 66 kDa	

Applications

Tested Applications: WB, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human	WB : K-562 cells, Raji cells, HT-1376 cells, MDA-MB-468 cells IF/ICC : U-251 cells,

Background Information

ZC3H12A, also named as MCPIP or MCPIP1, is a 599 amino acid protein, which contains one C3H1-type zinc finger and belongs to the ZC3H12 family. ZC3H12A localizes in the cytoplasm and nucleus. Increased expression of ZC3H12A is associated with ischemic heart disease. ZC3H12A has RNase activity and selectively degrades specific target mRNA species and modulates the immune response and inflammation by regulating the decay of specific mRNA molecules.

Storage

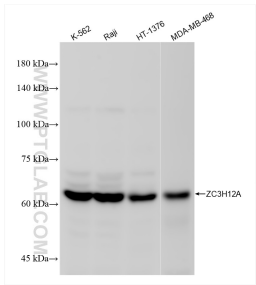
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

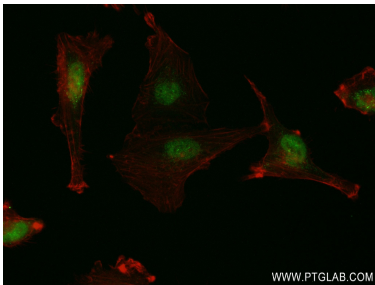
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

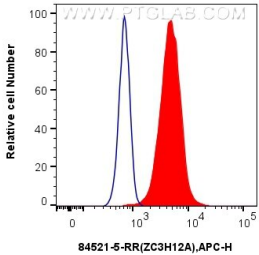
Selected Validation Data



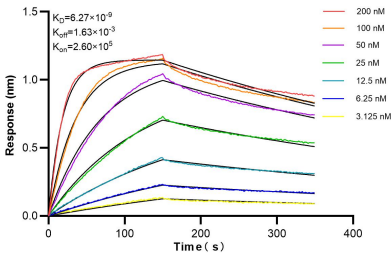
Various lysates were subjected to SDS PAGE followed by western blot with 84521-5-RR (ZC3H12A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using ZC3H12A antibody (84521-5-RR, Clone: 241876H5) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug ZC3H12A Recombinant antibody (84521-5-RR, Clone:241876H5) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 84521-5-RR against Human ZC3H12A were performed. The affinity constant is 6.27 nM.