

For Research Use Only

RNF40 Recombinant antibody, PBS Only

Catalog Number: 84058-5-PBS



Basic Information

Catalog Number: 84058-5-PBS	GenBank Accession Number: BC006133	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 9810	CloneNo.: 241214A1
Source: Rabbit	UNIPROT ID: O75150	
Isotype: IgG	Full Name: ring finger protein 40	
Immunogen Catalog Number: AG8047	Calculated MW: 114 kDa	
	Observed MW: 135 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

The DNA damage response (DDR) is emerging as a vast signaling network that temporarily modulates numerous aspects of cellular metabolism in the face of DNA lesions, especially critical ones such as the double-strand break (DSB). The DDR involves extensive dynamics of protein post-translational modifications, most notably phosphorylation and ubiquitylation. A recently identified novel component of the DDR pathway - histone H2B monoubiquitylation - exemplifies this principle. Monoubiquitination of histone H2B is a dynamic post-translational histone modification associated with transcriptional elongation and the DNA damage response [PMID:22021426]. In mammalian cells, H2B monoubiquitylation is driven primarily by an E3 ubiquitin ligase composed of the two RING finger proteins RNF20 and RNF40 [PMID:22031019,21827756].

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

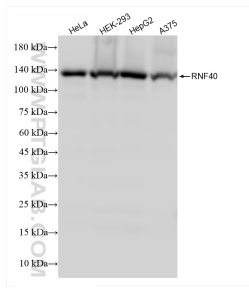
T: 4006900926

E: Proteintech-CN@ptglab.com

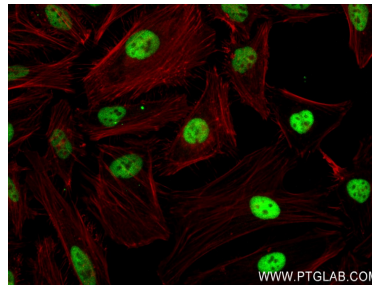
W: ptgcn.com

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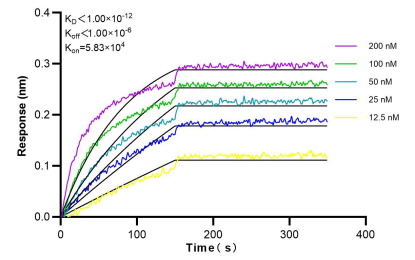
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84058-5-RR (RNF40 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84058-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using RNF40 antibody (84058-5-RR, Clone: 241214A1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84058-5-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 84058-5-RR against Human RNF40 were performed. The affinity constant is below 1 pM.