

For Research Use Only

NUDCD2 Recombinant antibody, PBS Only

Catalog Number:83217-5-PBS



Basic Information

Catalog Number: 83217-5-PBS	GenBank Accession Number: BC017934	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 134492	CloneNo.: 230513A5
Source: Rabbit	UNIPROT ID: Q8WVJ2	
Isotype: IgG	Full Name: NudC domain containing 2	
Immunogen Catalog Number: AG15579	Calculated MW: 157 aa, 18 kDa	
	Observed MW: 18 kDa	

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), IP, ELISA

Species Specificity:
human

Background Information

NUDCD2, also known as NudCL2, is an HSP90 cochaperone that regulates sister chromatid cohesion during mitosis. NUDCD2 also plays a role in ciliogenesis(PMID: 30368549, 34480124). NUDCD2 regulates the LIS1/dynein pathway by stabilizing LIS1 with Hsp90 chaperone(PMID: 20133715).

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:

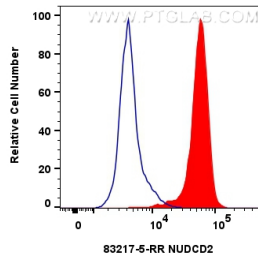
T: 4006900926

E: Proteintech-CN@ptglab.com

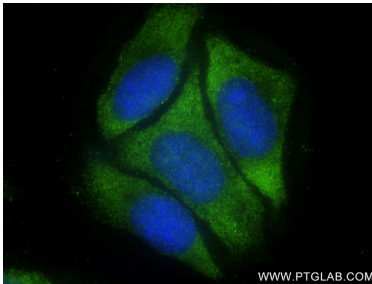
W: ptgcn.com

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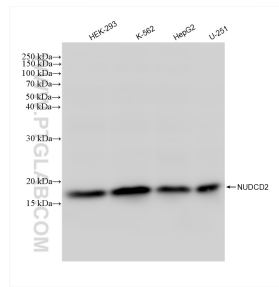
Selected Validation Data



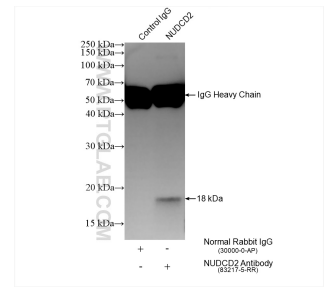
1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug NUDCD2 Recombinant antibody (83217-5-RR, Clone:230513A5) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83217-5-PBS in a different storage buffer formulation.



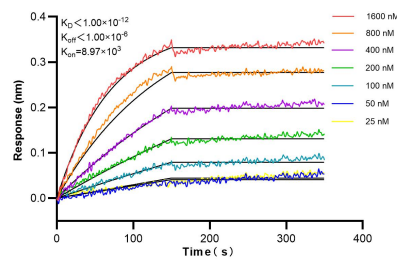
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using NUDCD2 antibody (83217-5-RR, Clone: 230513A5) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83217-5-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 83217-5-RR (NUDCD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83217-5-PBS in a different storage buffer formulation.



IP result of anti-NUDCD2 (IP:83217-5-RR, 4ug; Detection:83217-5-RR 1:4000) with HepG2 cells lysate 1085 ug. This data was developed using the same antibody clone with 83217-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83217-5-RR against Human NUDCD2 were performed. The affinity constant is below 1 pM.