

For Research Use Only

CBP80 Recombinant antibody

Catalog Number: 83212-4-RR



Basic Information

Catalog Number: 83212-4-RR	GenBank Accession Number: BC001450	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 4686	CloneNo.: 240012G8
Source: Rabbit	UNIPROT ID: Q09161	Recommended Dilutions: WB 1:5000-1:50000 IF 1:200-1:800
Isotype: IgG	Full Name: nuclear cap binding protein subunit 1, 80kDa	
Immunogen Catalog Number: AG0496	Calculated MW: 92 kDa	
	Observed MW: 80 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human, rat	WB : Jurkat cells, HeLa cells, HepG2 cells, A431 cells, NCI-H1299 cells, PC-12 cells, HEK-293 cells
	IF : HepG2 cells,

Background Information

Nuclear cap binding protein subunit 1, 80kDa (NCBP1, synonyms: NCBP, CBP80) is a subunit of a cap-binding protein complex (CBC) that consists of a CBP20 subunit, which binds the cap, and a NCBP1 subunit, which ensures high-affinity cap binding. The CBC complex may play a role in pre-mRNA recognition and splicing.

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

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

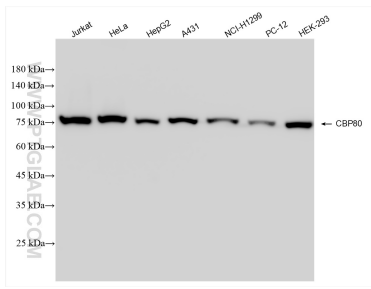
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E: Proteintech-CN@ptglab.com

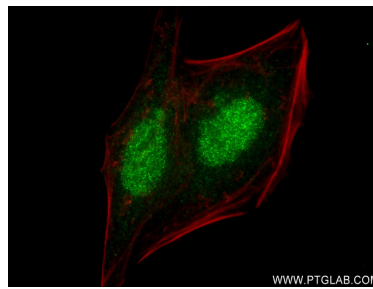
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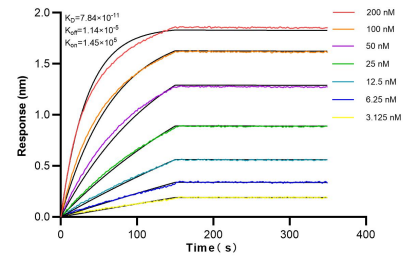
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83212-4-RR (CBP80 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CBP80 antibody (83212-4-RR, Clone: 240012G8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 83212-4-RR against Human CBP80 were performed. The affinity constant is 0.131 nM.