

For Research Use Only

NCBP1/CBP80 Recombinant antibody, PBS Only

Catalog Number: 83212-4-PBS



Basic Information

Catalog Number:

83212-4-PBS

Size:

1mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0496

GenBank Accession Number:

BC001450

GeneID (NCBI):

4686

UNIPROT ID:

Q09161

Full Name:

nuclear cap binding protein subunit 1,
80kDa

Calculated MW:

92 kDa

Observed MW:

80 kDa

Purification Method:

Protein A purification

CloneNo.:

240012G8

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, rat

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 -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:

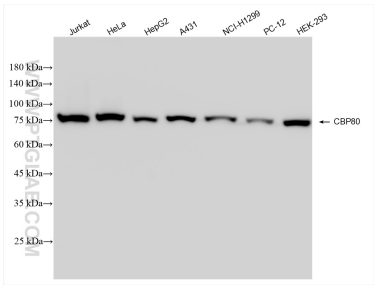
T: 4006900926

E: Proteintech-CN@ptglab.com

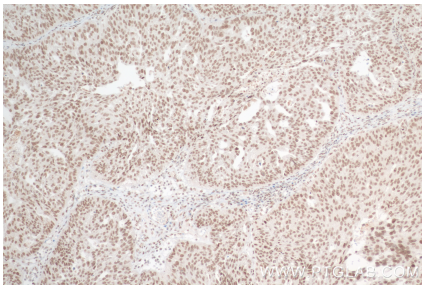
W: ptgcn.com

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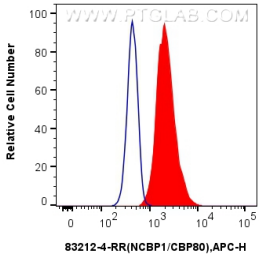
Selected Validation Data



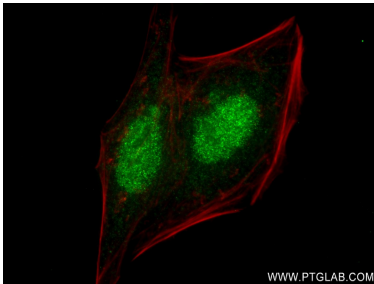
Various lysates were subjected to SDS PAGE followed by western blot with 83212-4-RR (CBP80 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83212-4-PBS in a different storage buffer formulation.



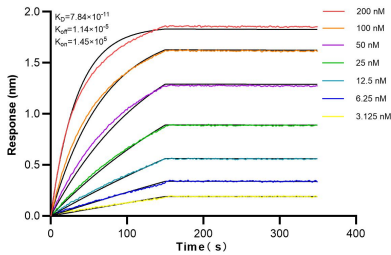
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83212-4-RR (NCBP1/CBP80 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83212-4-PBS in a different storage buffer formulation.



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug CBP80 Recombinant antibody (83212-4-RR, Clone:240012G8) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (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 83212-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83212-4-PBS in a different storage buffer formulation.



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