

For Research Use Only

# CCDC94 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83580-5-PBS



## Basic Information

Catalog Number: 83580-5-PBS	GenBank Accession Number: BC000561	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 55702	CloneNo.: 240517E9
Source: Rabbit	UNIPROT ID: Q9BW85	
Isotype: IgG	Full Name: coiled-coil domain containing 94	
Immunogen Catalog Number: AG13764	Calculated MW: 323 aa, 37 kDa	

## Applications

**Tested Applications:**  
IHC, IF/ICC, FC (Intra), Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Background Information

CCDC94, also known as YJU2, is a splicing factor, predicted to be involved in RNA splicing and negative regulation of DNA damage response, signal transduction by p53 class mediator. Part of U2-type catalytic step 1 spliceosome. And that it is required for pre-mRNA splicing both in vivo and in vitro. Yju2 acts in concert with an unidentified heat-resistant factor(s) in an ATP-independent manner to promote the first catalytic reaction of pre-mRNA splicing after Prp2-mediated structural rearrangement of the spliceosome. (PMID: 17515604)

## 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:

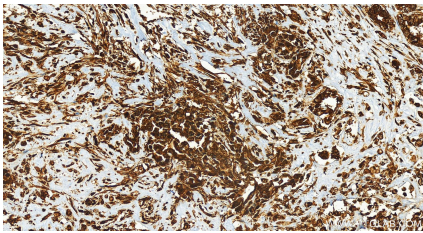
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

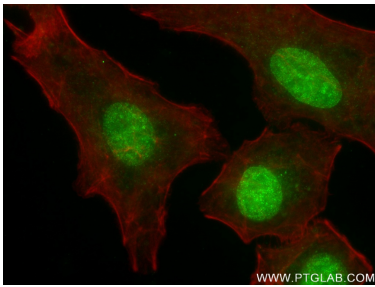
W: [ptgcn.com](http://ptgcn.com)

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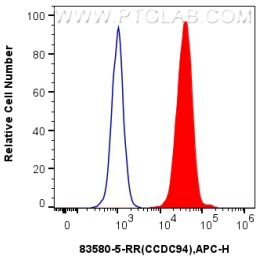
Selected Validation Data



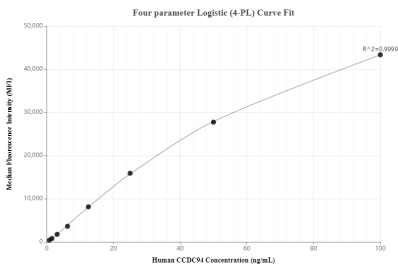
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 83580-5-RR (CCDC94 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83580-5-PBS in a different storage buffer formulation.



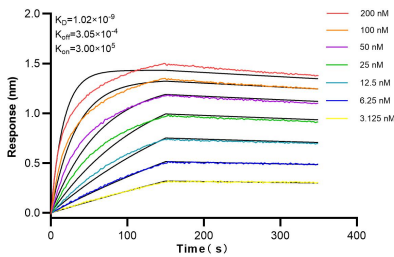
Immunofluorescent analysis of (4% PFA) fixed A549 cells using CCDC94 antibody (83580-5-RR, Clone: 240517E9 ) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83580-5-PBS in a different storage buffer formulation.



1x10<sup>6</sup> A431 cells were intracellularly stained with 0.25 ug CCDC94 Recombinant antibody (83580-5-RR, Clone:240517E9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83580-5-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00553-1, CCDC94 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83580-5-PBS. Detection antibody: 83580-4-PBS. Standard: Ag13764. Range: 0.78-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83580-5-RR against Human CCDC94 were performed. The affinity constant is 1.02 nM.