

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: 100ug, Concentration: 1 mg/ml by Nanodrop;	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

Product Information

83580-5-PBS targets CCDC94 as part of a matched antibody pair:

MP00553-1: 83580-5-PBS capture and 83580-4-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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.
Storage Buffer:
PBS Only

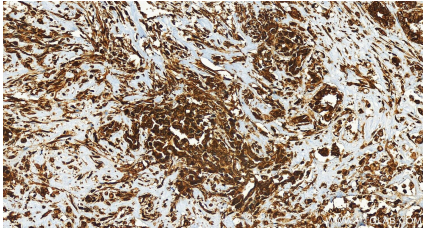
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

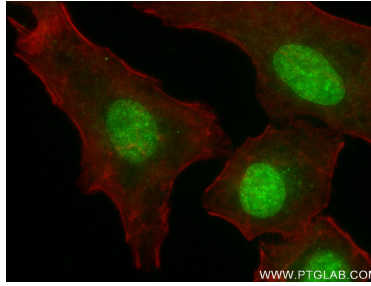
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

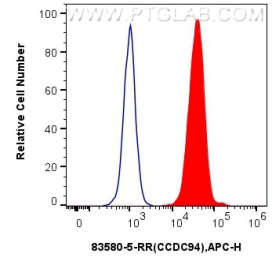
Selected Validation Data



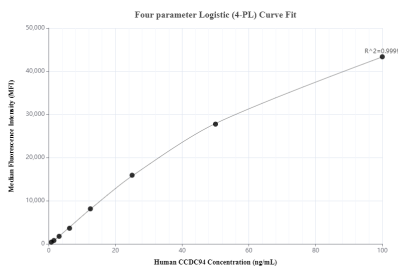
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 83580-5-RR (CCDC94 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83580-5-PBS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



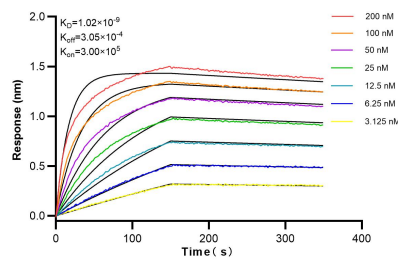
Immunofluorescent analysis of (4% PFA) fixed A549 cells using CCDC94 antibody (83580-5-RR, Clone: 240517E9) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83580-5-PBS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



1×10^6 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.