

For Research Use Only

CCDC94 Recombinant antibody

Catalog Number:83580-5-RR



Basic Information

Catalog Number: 83580-5-RR	GenBank Accession Number: BC000561	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 55702	CloneNo.: 240517E9
Source: Rabbit	UNIPROT ID: Q9BW85	Recommended Dilutions: IHC 1:50-1:500 IF/ICC 1:50-1:500
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), ELISA

Species Specificity:
human

Positive Controls:

IHC : human intrahepatic cholangiocarcinoma tissue,
IF/ICC : A549 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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 -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

*** 20ul sizes contain 0.1% BSA

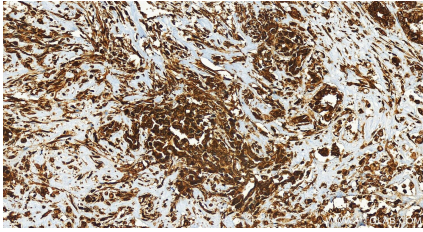
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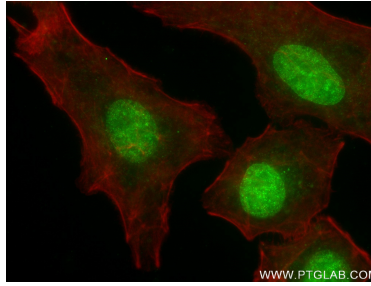
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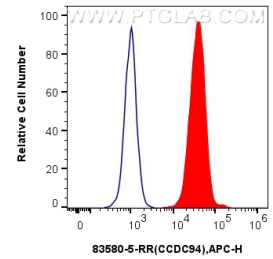
Selected Validation Data



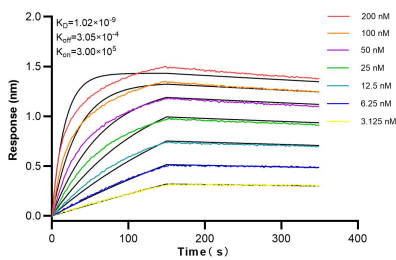
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 83580-5-RR (CCDC94 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1×10^6 A431 cells were intracellularly stained with 0.25 μ g CCDC94 Recombinant antibody (83580-5-RR, Clone:240517E9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



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