

For Research Use Only

CTHRC1 Recombinant antibody, PBS Only

Catalog Number: 83629-1-PBS



Basic Information

Catalog Number: 83629-1-PBS	GenBank Accession Number: BC014245	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 115908	CloneNo.: 240442E1
Source: Rabbit	UNIPROT ID: Q96CG8	
Isotype: IgG	Full Name: collagen triple helix repeat containing 1	
Immunogen Catalog Number: AG9812	Calculated MW: 243 aa, 26 kDa	
	Observed MW: 25 kDa	

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human

Background Information

Collagen triple helix repeat-containing protein 1 (CTHRC1), also known as protein NMTC1, is a glycosylated secreted protein. CTHRC1 was identified as a novel molecular in injured and diseased arteries where it may contribute to vascular remodeling by limiting collagen matrix deposition and promoting cell migration (PMID: 15618538). It has been reported that CTHRC1 is a positive regulator of osteoblastic bone formation (PMID: 18779865). Besides, studies reveal that CTHRC1 expression is implicated in various malignancies, including hepatocellular carcinoma, gastric carcinoma, colon cancer, and lung cancer (PMID: 23922981; 24504172; 24746208; 25139095).

Storage

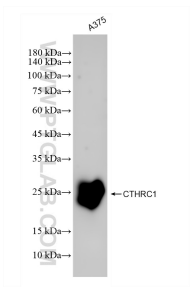
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

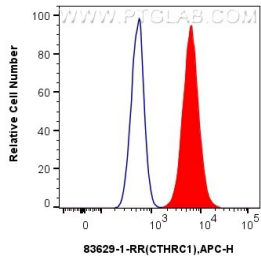
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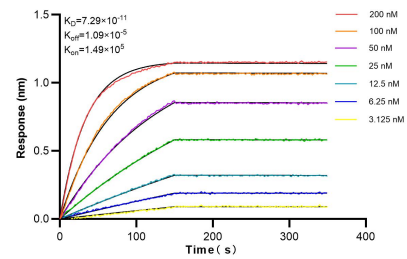
Selected Validation Data



A375 cells were subjected to SDS PAGE followed by western blot with 83629-1-RR (CTHRC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83629-1-PBS in a different storage buffer formulation.



1x10⁶ A375 cells were intracellularly stained with 0.25 ug CTHRC1 Recombinant antibody (83629-1-RR, Clone:240442E1) 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 83629-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83629-1-RR against Human CTHRC1 were performed. The affinity constant is 72.9 pM.