

For Research Use Only

CTHRC1 Recombinant antibody

Catalog Number: 83629-1-RR



Basic Information

Catalog Number:

83629-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9812

GenBank Accession Number:

BC014245

GeneID (NCBI):

115908

UNIPROT ID:

Q96CG8

Full Name:

collagen triple helix repeat
containing 1

Calculated MW:

243 aa, 26 kDa

Observed MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

240442E1

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : A375 cells,

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 -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

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

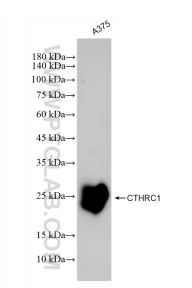
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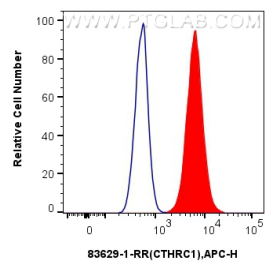
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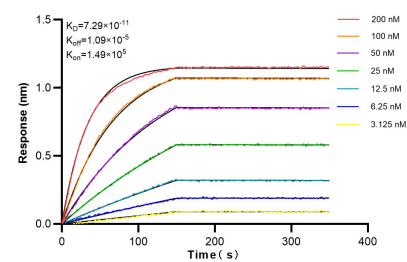
Selected Validation Data



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.



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).



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