

For Research Use Only

# DCBLD2 Recombinant antibody

Catalog Number: 85000-4-RR



## Basic Information

Catalog Number:

85000-4-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32823

GenBank Accession Number:

BC029658

GeneID (NCBI):

131566

UNIPROT ID:

Q96PD2

Full Name:

discoidin, CUB and LCCL domain containing 2

Calculated MW:

775 aa, 89 kDa

Observed MW:

120 kDa

Purification Method:

Protein A purification

CloneNo.:

242604E8

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human

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

Positive Controls:

WB : A549 cells, U2OS cells

IP : U2OS cells,

IHC : human colon cancer tissue, human rectal cancer tissue

## Background Information

DCBLD2, also known as ESDN or CLCP1, was first identified from human coronary arterial cells by a signal sequence trap method. DCBLD2 regulates proliferation, migration, and invasion in various tumors, including glioma, hypopharyngeal squamous cell carcinoma, and myxofibrosarcoma. The human DCBLD2 protein has a predicted molecular mass of 80 kDa based on its amino acid sequence, although it regularly displays an effective molecular mass of 130 kDa via SDS-PAGE (PMID: 30902898).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

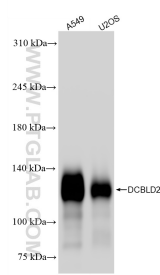
T: 4006900926

E: Proteintech-CN@ptglab.com

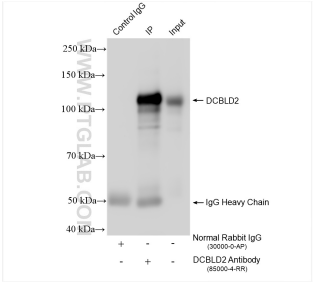
W: ptgcn.com

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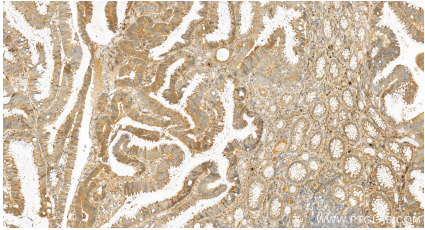
Selected Validation Data



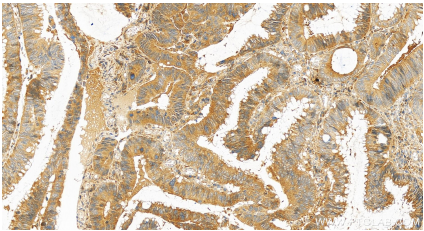
Various lysates were subjected to SDS PAGE followed by western blot with 85000-4-RR (DCBLD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



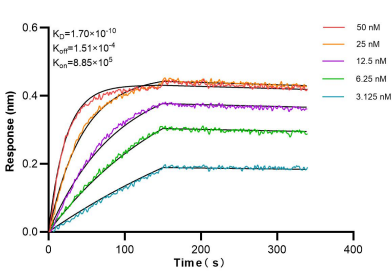
IP result of anti-DCBLD2 (IP:85000-4-RR, 4ug; Detection:85000-4-RR 1:2000) with U2OS cells lysate 1120 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 85000-4-RR (DCBLD2 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Biolayer interferometry (BLI) kinetic assays of 85000-4-RR against Human DCBLD2 were performed. The affinity constant is 0.170 nM.