

For Research Use Only

# CD2BP2 Polyclonal antibody, PBS Only

Catalog Number: 32930-1-PBS



## Basic Information

Catalog Number:

32930-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38662

GenBank Accession Number:

NM\_001243646.1

GeneID (NCBI):

10421

UNIPROT ID:

O95400

Full Name:

CD2 (cytoplasmic tail) binding protein 2

Calculated MW:

38kDa, 341aa

Observed MW:

50 kDa

Purification Method:

Antigen affinity Purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

CD2BP2 (CD2-binding protein 2) is a multifunctional protein that was initially identified as a binding partner of the T-cell surface antigen CD2. It binds to the cytoplasmic tail of CD2 through its C-terminal GYF domain in the cytoplasm, regulating CD2-mediated T-lymphocyte activation. Additionally, CD2BP2 is a component of the U5 small nuclear ribonucleoprotein complex (snRNP), participating in the RNA splicing process. Studies have shown that CD2BP2 plays a crucial role in embryonic development; its absence leads to delayed embryonic growth, vascularization defects, and death by embryonic day 10.5. Specific depletion of CD2BP2 in renal podocytes results in proteinuria and ultimately fatal renal failure.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

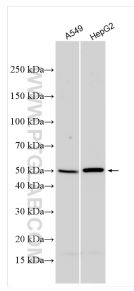
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32930-1-AP (CD2BP2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32930-1-PBS in a different storage buffer formulation.