

For Research Use Only

CD2BP2 Polyclonal antibody

Catalog Number:32930-1-AP



Basic Information

Catalog Number: 32930-1-AP	GenBank Accession Number: NM_001243646.1	Purification Method: Antigen affinity Purification
Concentration: 450 ug/ml	GeneID (NCBI): 10421	Recommended Dilutions: WB: 1:1000-1:8000
Source: Rabbit	UNIPROT ID: O95400	
Isotype: IgG	Full Name: CD2 (cytoplasmic tail) binding protein 2	
Immunogen Catalog Number: AG38662	Calculated MW: 38kDa, 341aa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells, HepG2 cells
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 -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:

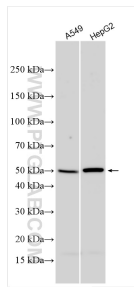
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Selected Validation Data



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.