

For Research Use Only

# CC2D1A Monoclonal antibody, PBS Only



Catalog Number: 68334-1-PBS

## Basic Information

Catalog Number: 68334-1-PBS	GenBank Accession Number: BC064981	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 54862	CloneNo.: 1C11G2
Source: Mouse	UNIPROT ID: Q6P1N0	
Isotype: IgG1	Full Name: coiled-coil and C2 domain containing 1A	
Immunogen Catalog Number: AG10363	Calculated MW: 951 aa, 104 kDa	
	Observed MW: 130 kDa	

## Applications

Tested Applications:  
WB, Indirect ELISA, IHC, IF

Species Specificity:  
Human, Mouse, Rat

## Background Information

CC2D1A (coiled-coil and C2 domain-containing 1A), also known as Freud-1, Aki1 or TAPE (TBK1-associated protein in endolysosomes), is a evolutionary conserved protein located in different subcellular compartments, including the nucleus, centrosome, and endolysosomes. It acts as a scaffold protein that interacts with various proteins and plays diverse biological roles. Mutations in CC2D1A have been linked to nonsyndromic mental retardation (NMSR) and generate a truncated 85-kDa product. Several isoforms of CC2D1A proteins have also been described: 120 / 130-kDa doublet of long isoform and 67 kDa short isoform. The short isoform of CC2D1A has been identified as the predominant isoform in rodent cells, while the long isoform is more abundant in human cells. Recently it has been reported that CC2D1A/TAPE is the first innate immune regulator implicated in both TLR and RLR signaling at a very early step.

## 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

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

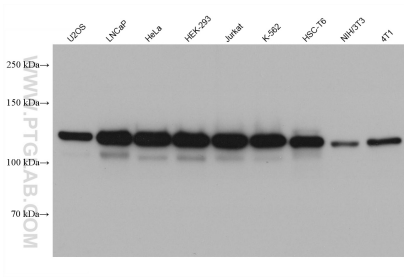
T: 4006900926

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

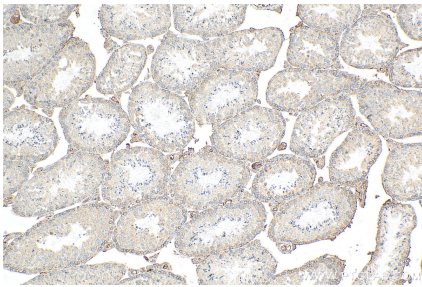
W: [ptgcn.com](http://ptgcn.com)

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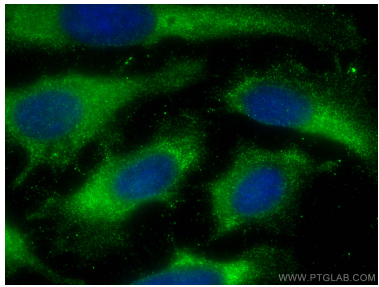
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68334-1-Ig (CC2D1A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68334-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 68334-1-Ig (CC2D1A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68334-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CC2D1A antibody (68334-1-Ig, Clone: 1C11G2 ) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68334-1-PBS in a different storage buffer formulation.