

For Research Use Only

# CoraLite®594-conjugated CUL4A Monoclonal antibody



Catalog Number:CL594-66038

## Basic Information

<b>Catalog Number:</b> CL594-66038	<b>GenBank Accession Number:</b> BC008308	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 8451	<b>CloneNo.:</b> 1A7F12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13619	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> cullin 4A	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG18089	<b>Calculated MW:</b> 77 kDa	
	<b>Observed MW:</b> 77 kDa, 88 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> human, monkey, mouse, rat, pig	

## Background Information

Cullin proteins assemble a large number of RING E3 ubiquitin ligases, participating in the proteolysis through the ubiquitin-proteasome pathway. Two cullin 4 (CUL4) proteins, CUL4A (87 kDa) and CUL4B(104 kDa), have been identified. The two CUL4 sequences are 83% identical. They target certain proteins for degradation by binding protein DDB1 to form a CUL4-DDB1 ubiquitin ligase complex with DDB. They form two individual E3 ligases, DDB1-CUL4ADDB2 and DDB1-CUL4BDD2 in this process. CUL4A appeared in both the nucleus and the cytosol, suggesting a more complex mechanism for entering the nucleus. CUL4B is localized in the nucleus and facilitates the transfer of DDB1 into the nucleus independently of DDB2.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

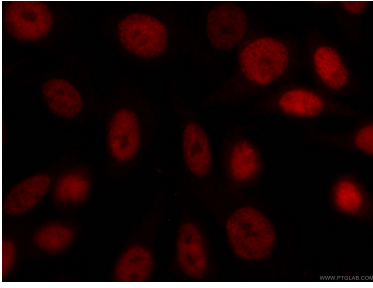
T: 4006900926

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

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

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL594-66038 (CUL4A antibody) at dilution of 1:100.