

For Research Use Only

# Cyclon/CCDC86 Polyclonal antibody

Catalog Number: 14947-1-AP



## Basic Information

<b>Catalog Number:</b> 14947-1-AP	<b>GenBank Accession Number:</b> BC001378	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 79080	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H6F5	
<b>Isotype:</b> IgG	<b>Full Name:</b> coiled-coil domain containing 86	
<b>Immunogen Catalog Number:</b> AG6754	<b>Calculated MW:</b> 40 kDa	
	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> mouse stomach tissue, HepG2 cells, human heart tissue, human liver tissue, human stomach tissue <b>IF/ICC :</b> A549 cells,

## Background Information

CCDC86 (Coiled-coil domain-containing protein 86), also known as Cyclon (cytokine-induced protein with coiled-coil domain) is known for its expression in leukocytes in mice, where it regulates the immune response. Cyclon/CCDC86 regulates the apoptosis of T-cells upon activation, a process known as an activation-induced cellular death (AICD), by regulating the expression of the death receptor Fas on T-cells (PMID: 23439384). CCDC86 depletion led to a novel phenotype in which Ki-67 and nucleolin could still accumulate at the chromosome periphery but also formed abnormal cytoplasmic NDF-like foci (PMID: 36695333). The detected molecular weights (MWs) of Cyclon on SDS-PAGE (human Cyclon: 65 kDa; mouse Cyclon: 75 kDa) were higher than calculated MWs (human Cyclon: 40.2 kDa; mouse Cyclon: 46.5 kDa), suggesting possible modifications of Cyclon (PMID: 17300783).

## Storage

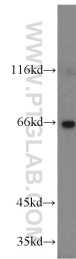
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

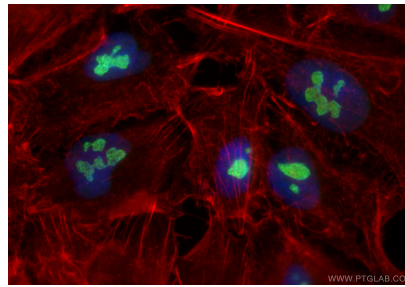
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



mouse stomach tissue were subjected to SDS PAGE followed by western blot with 14947-1-AP (Cyclon/CCDC86 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using Cyclon/CCDC86 antibody (14947-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).