

# Cyclon/CCDC86 Polyclonal antibody

Catalog Number: 14947-1-AP

## Basic Information

**Catalog Number:**

14947-1-AP

**Size:**

400 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6754

**GenBank Accession Number:**

BC001378

**GeneID (NCBI):**

79080

**UNIPROT ID:**

Q9H6F5

**Full Name:**

coiled-coil domain containing 86

**Calculated MW:**

40 kDa

**Observed MW:**

65 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IF/ICC, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : mouse stomach tissue, HepG2 cells, human heart tissue, human liver tissue, human stomach tissue

IF/ICC : 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

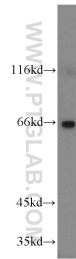
For technical support and original validation data for this product please contact:

T: 4006900926

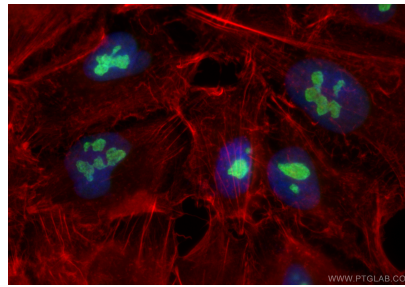
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



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).