

For Research Use Only

# CD86 Polyclonal antibody

Catalog Number: 30691-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 30691-1-AP	<b>GenBank Accession Number:</b> NM_019388	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 550 µg/ml	<b>GeneID (NCBI):</b> 12524	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P42082-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD86 antigen	
<b>Immunogen Catalog Number:</b> AG33514	<b>Calculated MW:</b> 35 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : DC2.4 cells, J774A.1 cells, RAW 264.7 cells, mouse spleen tissue
<b>Cited Applications:</b> WB, IF, FC	
<b>Species Specificity:</b> Mouse	
<b>Cited Species:</b> rat, mouse	

## Background Information

CD86 (also known as B7-2) is a costimulatory molecule belonging to the immunoglobulin superfamily. Primarily expressed on antigen-presenting cells (APCs), including B cells, dendritic cells, and macrophages, CD86 is the ligand for two proteins at the cell surface of T cells, CD28 antigen and CTLA-4. Binding of CD86 with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of CD86 with CTLA-4 negatively regulates T-cell activation and diminishes the immune response. (PMID: 7513726; 1847722; 11029388; 27591335)

## Notable Publications

Author	Pubmed ID	Journal	Application
Qiannan Zhang	38604377	Brain Res Bull	WB,IF,FC
Ying Chen	38184235	J Control Release	WB

## 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:

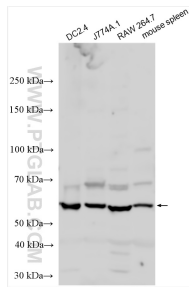
T: 4006900926

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

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

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## Selected Validation Data



DC2.4 cells were subjected to SDS PAGE followed by western blot with 30691-1-AP (CD86 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.