

For Research Use Only

# CD27 Polyclonal antibody

Catalog Number: 11121-1-AP



## Basic Information

<b>Catalog Number:</b> 11121-1-AP	<b>GenBank Accession Number:</b> BC012160	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 247 µg/ml	<b>GeneID (NCBI):</b> 939	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000139193	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P26842	
<b>Immunogen Catalog Number:</b> AG1582	<b>Full Name:</b> CD27 molecule	
	<b>Calculated MW:</b> 29 kDa	
	<b>Observed MW:</b> 45-50 kDa	

## Applications

<b>Tested Applications:</b> FC, WB, ELISA	<b>Positive Controls:</b> WB: Raji cells,
<b>Species Specificity:</b> human	

## Background Information

CD27 (also known as TNFRSF7) is a type I glycoprotein expressed on some B cells and the majority of T cells, and is a member of the tumor necrosis factor (TNF) receptor family. CD27 is required for generation and long-term maintenance of T cell immunity (PMID: 11062504). It is a receptor for CD70 (CD27L). Ligation of CD27 by CD70 induces strong ubiquitination of TRAF and the activation of both canonical and non-canonical NF- $\kappa$ B pathways, as well as the JNK pathway (PMID: 19426224). CD27 may also play a role in apoptosis through association with SIVA1.

## 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:

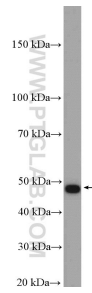
T: 4006900926

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

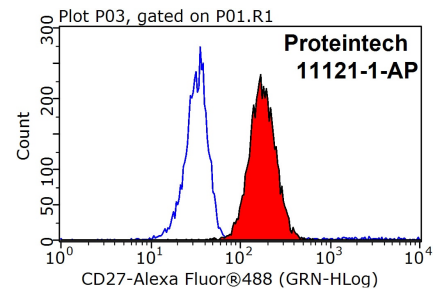
W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 11121-1-AP (CD27 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  Raji cells were stained with 0.2ug CD27 antibody (11121-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.