

For Research Use Only

# NKG7 Polyclonal antibody, PBS Only

Catalog Number:11532-1-PBS



## Basic Information

<b>Catalog Number:</b> 11532-1-PBS	<b>GenBank Accession Number:</b> BC015759	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 4818	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q16617	
<b>Isotype:</b> IgG	<b>Full Name:</b> natural killer cell group 7 sequence	
<b>Immunogen Catalog Number:</b> AG2117	<b>Calculated MW:</b> 165 aa, 18 kDa	
	<b>Observed MW:</b> 18 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IP, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Natural killer cell granule protein 7 (NKG7) regulates lymphocyte granule exocytosis and downstream inflammation in a broad range of diseases. NKG7 expressed by CD4+ and CD8+ T cells were key in promoting inflammation during visceral leishmaniasis and malaria-two important parasitic diseases. It is expressed by natural killer cells and is critical for controlling cancer initiation, growth, and metastasis (PMID: 32839608; 8458737). In brief, NKG7 is a necessary T-cell intrinsic factor for the cytotoxic function of CD8+ T cells and established NKG7 as a new therapeutic target for cancer immunotherapy (PMID: 34911739).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

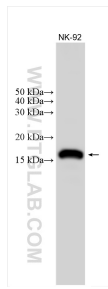
T: 4006900926

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

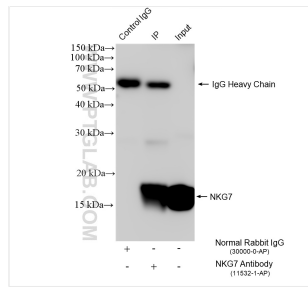
W: [ptgcn.com](http://ptgcn.com)

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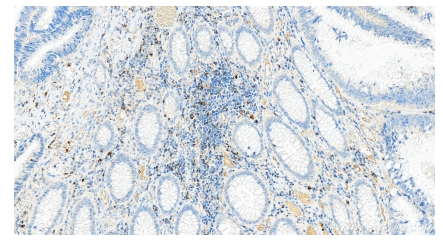
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11532-1-AP (NKG7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11532-1-PBS in a different storage buffer formulation.



IP result of anti-NKG7 (IP:11532-1-AP, 4ug; Detection:11532-1-AP 1:1000) with NK-92 cells lysate 1120 ug. This data was developed using the same antibody clone with 11532-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11532-1-AP (NKG7 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11532-1-PBS in a different storage buffer formulation.