

For Research Use Only

NKG7 Polyclonal antibody, PBS Only

Catalog Number: 11532-1-PBS



Basic Information

Catalog Number: 11532-1-PBS	GenBank Accession Number: BC015759	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4818	
Source: Rabbit	UNIPROT ID: Q16617	
Isotype: IgG	Full Name: natural killer cell group 7 sequence	
Immunogen Catalog Number: AG2117	Calculated MW: 165 aa, 18 kDa	
	Observed MW: 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.

Storage Buffer:
PBS only, pH7.3

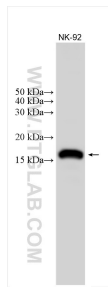
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

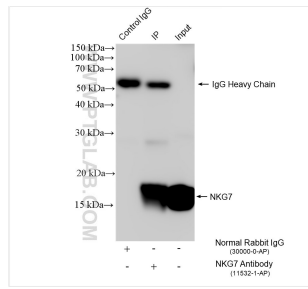
E: proteintech@ptglab.com
W: ptglab.com

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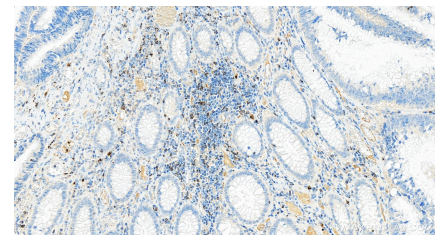
Selected Validation Data



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.