

For Research Use Only

NKG7 Polyclonal antibody

Catalog Number: 11532-1-AP



Basic Information

Catalog Number: 11532-1-AP	GenBank Accession Number: BC015759	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 4818	Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800
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, ELISA	Positive Controls:
Species Specificity: human	WB : NK-92 cells, IHC : human colon cancer tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

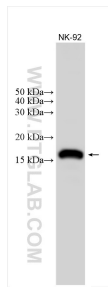
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

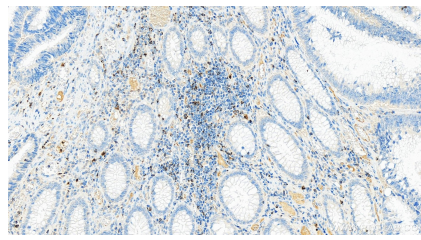
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

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.



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).