

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
Concentration: 500 µg/ml	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

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

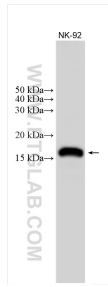
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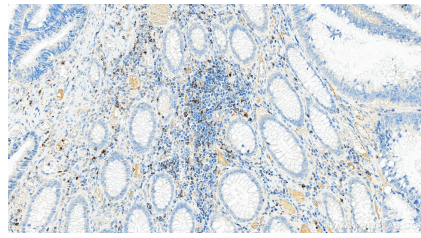
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Selected Validation Data



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.



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).