

For Research Use Only

# NKG2A Polyclonal antibody

Catalog Number: 10935-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 10935-1-AP	<b>GenBank Accession Number:</b> BC012550	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3821	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:500-1:2000 IF-P 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P26715	
<b>Isotype:</b> IgG	<b>Full Name:</b> killer cell lectin-like receptor subfamily C, member 1	
<b>Immunogen Catalog Number:</b> AG1376	<b>Calculated MW:</b> 26 kDa	
	<b>Observed MW:</b> 33 kDa	

## Applications

### Tested Applications:

WB, IHC, IF-P, ELISA

### Species Specificity:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: human liver tissue,

IHC: human tonsillitis tissue,

IF-P: human tonsillitis tissue,

## Background Information

KLRC1, also known as NKG2A (NKG2) and CD159A, is a single-pass type II membrane protein with extracellular C-type lectin domain. It belongs to the natural killer cell lectin-like receptor family, which is a group of transmembrane proteins preferentially expressed in NK cells. KLRC1 can form a heterodimer with CD94. The NKG2A/CD94 complex is an inhibitory receptor that recognizes HLA-E and is expressed by NK cells and a subset of T cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yi Li	27483437	PLoS One	
Michelle Sætersmoen	39423821	Med	

## 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

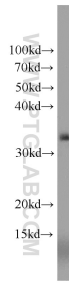
For technical support and original validation data for this product please contact:

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

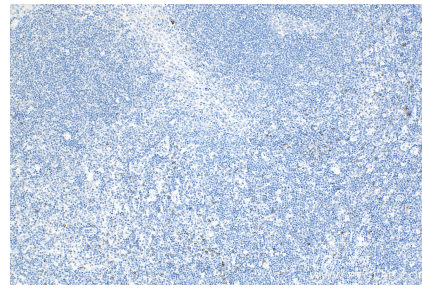
E: proteintech@ptglab.com  
W: ptglab.com

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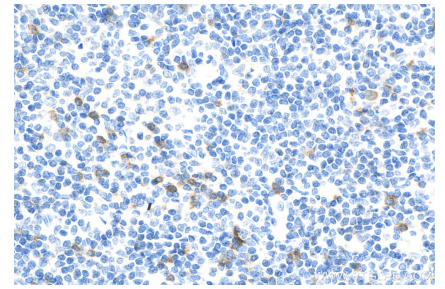
## Selected Validation Data



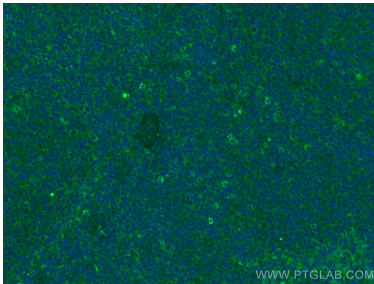
human liver tissue were subjected to SDS PAGE followed by western blot with 10935-1-AP (NKG2A antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10935-1-AP (NKG2A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10935-1-AP (NKG2A antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using NKG2A antibody (10935-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).