

For Research Use Only

Granzyme K Polyclonal antibody

Catalog Number: 27894-1-AP

1 Publications



Basic Information

Catalog Number: 27894-1-AP	GenBank Accession Number: BC035802	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3003	Recommended Dilutions: IHC 1:250-1:1000 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: P49863	
Isotype: IgG	Full Name: granzyme K (granzyme 3; NK tryptase II)	
Immunogen Catalog Number: AG27281	Calculated MW: 29 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls: IHC : human tonsillitis tissue, IF/ICC : NK-92 cells,
Cited Applications: IF	
Species Specificity: human	
Cited Species: human	
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

Granzymes are a family of serine proteases stored in granules inside cytotoxic cells of the immune system. There are five human granzymes (granzyme A (GrA), GrB, GrH, GrK and GrM) currently identified, whereas mice have ten known granzymes (GrA-G, GrK, GrM and GrN) (PMID:14499263). Human GrK was first discovered in 1988 after purification from human peripheral blood mononuclear cells. GrK is expressed by cytotoxic T lymphocytes, natural killer T cells (NKT), $\gamma\delta$ T cells and CD56bright+ NK cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Maolin Mu	37766977	iScience	IF

Storage

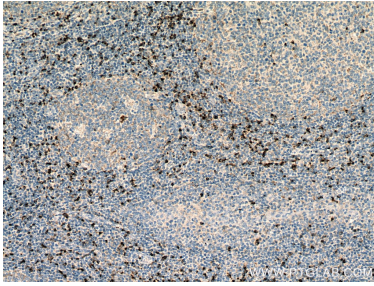
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

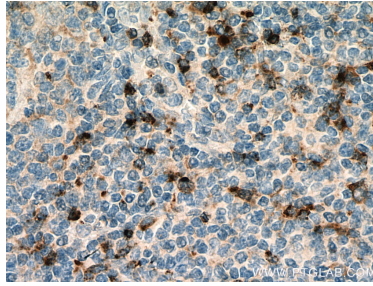
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

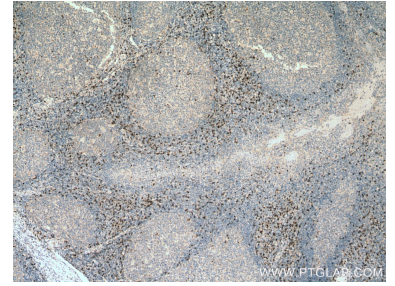
Selected Validation Data



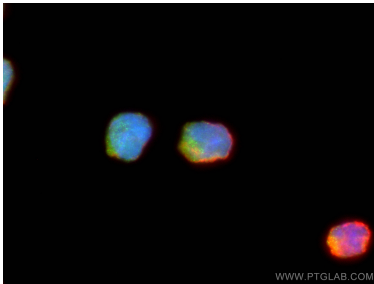
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27894-1-AP (GZMK antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27894-1-AP (GZMK antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27894-1-AP (GZMK antibody) at dilution of 1:500 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed NK-92 cells using Granzyme K antibody (27894-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).