

For Research Use Only

Granzyme A Polyclonal antibody

Catalog Number: 11288-1-AP **5 Publications**



Basic Information

Catalog Number: 11288-1-AP	GenBank Accession Number: BC015739	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 3001	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P12544	
Isotype: IgG	Full Name: granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)	
Immunogen Catalog Number: AG1818	Calculated MW: 29 kDa	
	Observed MW: 30, 60 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse kidney tissue, rat kidney tissue IHC : human lymphoma tissue,
Cited Applications: FC, IF, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, chicken, mouse	
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

Granzyme A (GrA, a tryptase) is necessary for target cell lysis in cell-mediated immune responses. It activates mitochondrial outer membrane permeabilization- and caspase-independent cell death pathways by cleaving the mitochondrial complex I component NDUFS3 after lys56. Among serine proteases GrA has a unique quaternary structure consisting of a disulphide-linked homodimer of 60kDa linked via Cys93. (PMID: 12819769) This protein has 2 isoforms produced by alternative promoter usage with the MW of 29 and 27 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhen Xiang	30422018	Immunopharmacol Immunotoxicol	IHC
Cui-Ying Chen	23164636	Res Vet Sci	WB
Dan Zhang	30031066	J Proteomics	WB

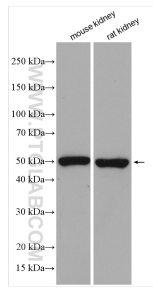
Storage

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

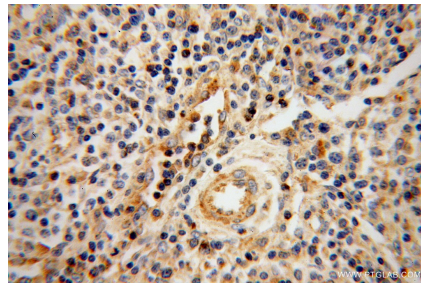
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

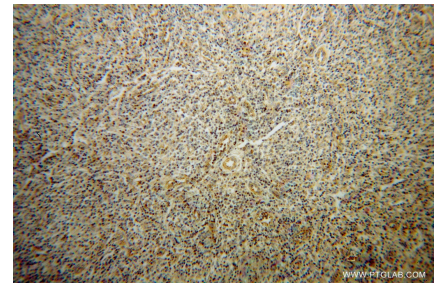
Selected Validation Data



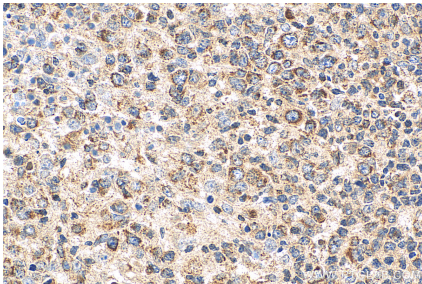
Various lysates were subjected to SDS PAGE followed by western blot with 11288-1-AP (Granzyme A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 11288-1-AP (Granzyme A antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human lymphoma using 11288-1-AP (Granzyme A antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11288-1-AP (Granzyme A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).