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Datasheet for ABIN6262072 anti-GZMB antibody

4 Images



Overview

Quantity:	100 µL
Target:	GZMB
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GZMB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human Granzyme B
Isotype:	IgG
Specificity:	Granzyme B antibody detects endogenous levels of total Granzyme B
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

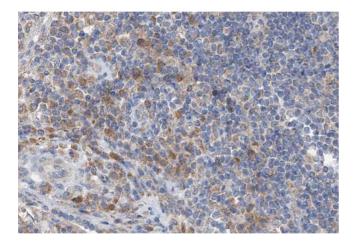
Target Details

Target:	GZMB
Alternative Name:	Granzyme B (GZMB Products)

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Target Details	
Background:	Description: This enzyme is necessary for target cell lysis in cell-mediated immune responses. It cleaves after Asp. Seems to be linked to an activation cascade of caspases (aspartate- specific cysteine proteases) responsible for apoptosis execution. Cleaves caspase-3, -7, -9 and 10 to give rise to active enzymes mediating apoptosis. Gene: GZMB
Molecular Weight:	28kDa
Gene ID:	3002
UniProt:	P10144, P20718
Pathways:	Apoptosis, Caspase Cascade in Apoptosis
Application Details	
Application Notes:	WB: 1:500~1:3000 IHC: 1:50~1:200, IF/ICC 1:100-1:500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , $$ pH 7.4, 150 $$ mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt
Expiry Date:	12 months

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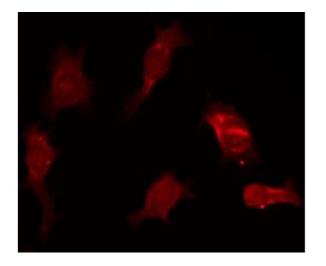
kDa 1 2 250-150-100-75-50-37-25-20-15-

Immunohistochemistry

Image 1. ABIN6266555 at 1/100 staining human lymph node tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Western Blotting

Image 2. Western blot analysis on NIH-3T3 cell lysate using Granzyme B Antibody, The lane on the left is treated with the antigen-specific peptide.



Immunofluorescence (fixed cells)

Image 3. ABIN6266555 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN6262072.

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