

Datasheet for ABIN3024895
anti-GZMB antibody (AA 73-187)



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1 Image

Overview

Quantity:	100 µg
Target:	GZMB
Binding Specificity:	AA 73-187
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GZMB antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A recombinant fragment (amino acids 73-187) from the human protein was used as the immunogen for the Granzyme B antibody.
Isotype:	IgG
Purification:	Protein A affinity chromatography

Target Details

Target:	GZMB
Alternative Name:	Granzyme B (GZMB Products)
Background:	Granzyme B is a member of the granule serine protease family stored specifically in NK cells or cytotoxic T cells. Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the ability to

Target Details

recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface 'non-self' antigens, usually peptides or proteins resulting from infection by intracellular pathogens. Granzyme B is crucial for the rapid induction of target cell apoptosis by CTLs in the cell-mediated immune response. Granzyme B is useful as a marker in the identification of NK/T-cell lymphomas. High percentages of cytotoxic T-cells have been shown to be an unfavorable prognostic indicator in Hodgkin's Disease.

Pathways: [Apoptosis, Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: Optimal dilution of the Granzyme B antibody should be determined by the researcher.
1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min\.

Flow Cytometry: 0.5-1 µg/million cells in 0.1ml, Immunofluorescence: 0.5-1 µg/mL, Western blot: 1-2 µg/mL, Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT (1)

Restrictions: For Research Use only

Handling

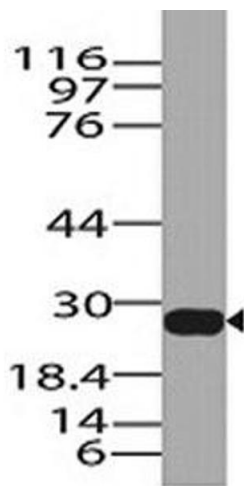
Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

Storage: 4 °C, -20 °C

Storage Comment: Store the Granzyme B antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Western Blotting

Image 1. Western blot analysis of human stomach lysate using Granzyme B antibody