



ABCLONAL BIOTECHNOLOGY, INC.

Granzyme B Rabbit pab Antibody

Anti Granzyme B antibody

Catalog Number:	A0375	Quantity:	100ul
Lot Number:	A00009	Species:	Rabbit
Gene ID:	3002	Swiss Prot:	P10144

DESCRIPTION

Description	Rabbit polyclonal to Human Granzyme B
Species	Rabbit
Applications	WB IHC IF
Reactivity	H
Immunogen	A fusion protein of human Granzyme B
Other Name	GZMB;CCPI;CGL-1;CGL1;CSP-B;CSPB;CTLA1;CTSG1;HLP;SECT ;

PROPERTIES

Form	Liquid
Storage instructions	Upon delivery aliquot and store at -20°C or -80°C.
Storage buffer	PBS with 0.1% Sodium Azide, 50% Glycerol,
Purity	Affinity purification
Clonality	Polyclonal
Isotype	IgG

APPLICATION

WB	WB :1/500-1000
IHC	IHC:1/50-100
IF	IF:1/50



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BACKGROUND

Granzymes are a family of serine proteases expressed by cytotoxic T lymphocytes and natural killer (NK) cells and are key components of immune responses to pathogens and transformed cells (1). Granzymes are synthesized as zymogens and are processed into mature enzymes by cleavage of a leader sequence. They are released by exocytosis in lysosome-like granules containing perforin, a membrane pore-forming protein. Granzyme B has the strongest apoptotic activity of all the granzymes as a result of its caspase-like ability to cleave substrates at aspartic acid residues thereby activating procaspases directly and cleaving downstream caspase substrates (2,3).

1. [Trapani, J.A. \(2001\) *Genome Biol.* 2, REVIEWS 3014.](#)
2. [Lord, S.J. et al. \(2003\) *Immunol. Rev.* 193, 31-8.](#)
3. [Trapani, J.A. and Sutton, V.R. \(2003\) *Curr. Opin. Immunol.* 15, 533-43.](#)