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Granzyme B (M) Antibody, Rabbit Polyclonal

Cat#: R0251-1

Quantity: 100 ul

Predicted M.W.: 27 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P04187

Background:

Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the remarkable ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface 'nonself' antigens, usually peptides or proteins resulting from infection by intracellular pathogens. Granzyme B (GZMB) is crucial for the rapid induction of target cell apoptosis by CTL in cell-mediated immune response. Granzyme B cleaves after Asp residue and it seems to be linked to an activation cascade of caspases (aspartate-specific cysteine proteases) responsible for apoptosis execution by cleaving caspase-3, -7, -9 and 10 to give rise to active enzymes.

Other Names:

Granzyme B(G,H), CTLA-1, Cytotoxic cell protease 1, CCP1, Fragmentin-2, Gzmb, Ctla-1, Ctla1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the middle region of mouse Granzyme B. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:5,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.



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Product Data:

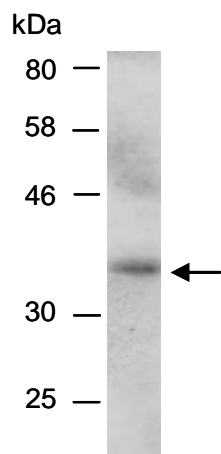


Fig 1. Western blot of total cell extracts from human HL60, using Ab (R0251-1) at RT for 2 h. The observed M.W. for Granzyme B is approximately 36 kD.

Last Update: 08/2011

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Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301**