

## Product Datasheet

### Anti-granzyme B Rabbit pAb



For Research Use Only. Not For Use In Diagnostic Procedures

#### Product Information

**Product name** Anti-granzyme B Rabbit pAb

**Source** Rabbit

**Species reactivity** Human, Mouse, Rat

**Tested applications** WB 1:1000-1:2000

IHC 1:500

IF 1:500

**Cellular localization** Lysosome, Secreted.

**Pack size** 50/100/200/500/1000μl

**Storage** Store at -20°C. **Avoid freeze/thaw cycles.**

**Storage buffer** Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml

BSA, 50% glycerol and less than 0.02% sodium azide

#### General Information

**Background** Granzymes are a family of serine proteases expressed by cytotoxic T lymphocytes (CTL) and natural killer (NK) cells and are key components of immune responses to pathogens and transformed cells. In activated CTLs, granzyme A and granzyme B are processed and activated by cathepsin C, and they then function to induce apoptosis by two distinct pathways. Granzyme B proteolytically cleaves and activates members of the caspase family of cysteine proteases, including caspase-3, caspase-6, caspase-7 and caspase-9.

**Immunogen** Polyclonal antibody is produced by immunizing animals with a synthetic peptide of granzyme B.

**Purification** Polyclonal antibody was purified by Protein A affinity chromatography.

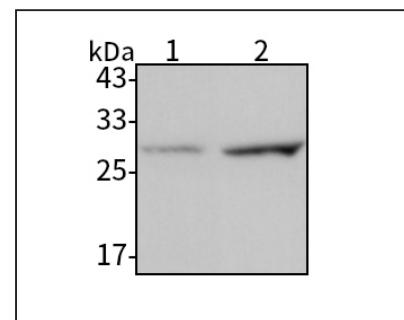
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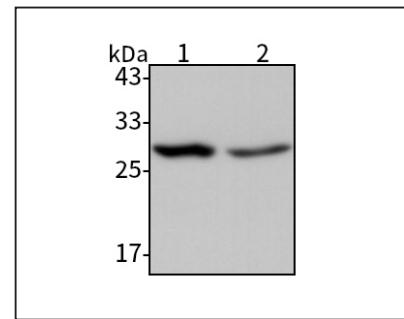
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#### Product Images



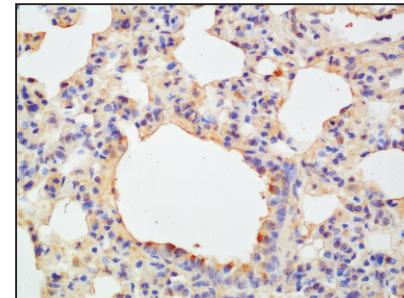
##### Western blot-Anti-granzyme B pAb

Lane 1: Human CAL-78 cell lysate  
Lane 2: Human AsPC-1 cell lysate  
All lanes: Anti-granzyme B at 1:1000 dilution  
Lysates/proteins at 20-50 μg per lane.  
Predicted band size: 28 kDa  
Observed band size: 28 kDa



##### Western blot-Anti-granzyme B pAb

Lane 1: Mouse spleen tissue lysate  
Lane 2: Rat skin tissue lysate  
All lanes: Anti-granzyme B at 1:1000 dilution  
Lysates/proteins at 20-50 μg per lane.  
Predicted band size: 28 kDa  
Observed band size: 28 kDa



##### Immunohistochemistry-Anti-granzyme B pAb

Immunohistochemical analysis of paraffin-embedded rat lung using anti-granzyme B Rabbit Antibody at 1:500 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

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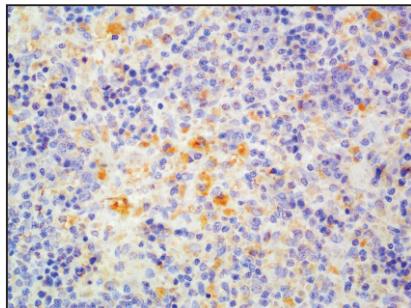
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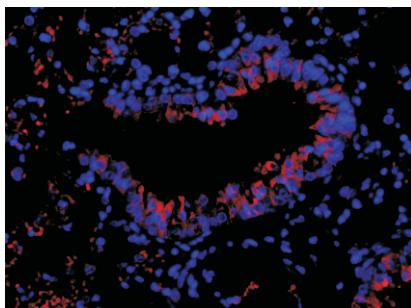
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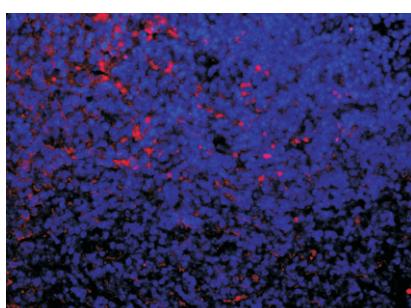
##### Immunohistochemistry-Anti-granzyme B pAb

Immunohistochemical analysis of paraffin-embedded rat spleen using anti-granzyme B Rabbit Antibody at 1:500 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



##### Immunofluorescence-Anti-granzyme B pAb

Immunofluorescence analysis of paraffin-embedded mouse lung using anti-granzyme B Rabbit Antibody at 1:500 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



##### Immunofluorescence-Anti-granzyme B pAb

Immunofluorescence analysis of paraffin-embedded mouse spleen using anti-granzyme B Rabbit Antibody at 1:500 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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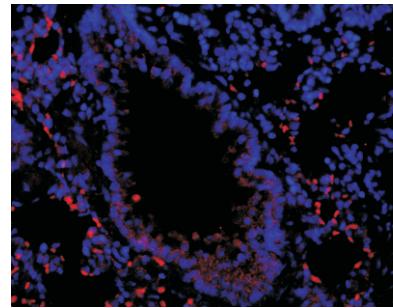
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##### Immunofluorescence-Anti-granzyme B pAb

Immunofluorescence analysis of paraffin-embedded rat lung using anti-granzyme B Rabbit Antibody at 1:500 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0