

Granzyme B antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AD80535**Specification**

Granzyme B antibody - Product info

Application	IHC
Primary Accession	P10144
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	27716 Da

Granzyme B antibody - Additional infoGene ID **3002****Other Names**

Granzyme B, 3.4.21.79, C11, CTLA-1, Cathepsin G-like 1, CTSL1, Cytotoxic T-lymphocyte proteinase 2, Lymphocyte protease, Fragmentin-2, Granzyme-2, Human lymphocyte protein, HLP, SECT, T-cell serine protease 1-3E, GZMB {ECO:0000303|PubMed:32188940, ECO:0000312|HGNC:HGNC:4709}

Dilution

IHC~~1:100~500

Storage

Maintain refrigerated at 2-8°C

Precautions

Granzyme B antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Granzyme B antibody - Protein Information**Name** GZMB {ECO:0000303|PubMed:32188940, ECO:0000312|HGNC:HGNC:4709}**Function**

Abundant protease in the cytosolic granules of cytotoxic T- cells and NK-cells which activates caspase-independent pyroptosis when delivered into the target cell through the immunological synapse (PubMed:[3262682](#), PubMed:[3263427](#), PubMed:[1985927](#)). It cleaves after Asp (PubMed:[8258716](#), PubMed:[1985927](#)). Once delivered into the target cell, acts by catalyzing cleavage of gasdermin-E (GSDME), releasing the pore- forming moiety of GSDME, thereby triggering pyroptosis and target cell death

Cellular Location

(PubMed:[32188940](#), PubMed:[31953257](#)).
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 (PubMed:[9852092](#)).
Secreted. Cytolytic granule.
Note=Delivered into the target cell by
perforin (PubMed:20038786).

Granzyme B antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Granzyme B antibody - Images