

GZMA Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2947a**Specification**

GZMA Antibody (internal region) - Product Information

Application	E
Primary Accession	P12544
Other Accession	NP_006135.1 , 3001
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	28999

GZMA Antibody (internal region) - Additional Information**Gene ID** 3001**Other Names**

Granzyme A, 3.4.21.78, CTL tryptase, Cytotoxic T-lymphocyte proteinase 1, Fragmentin-1, Granzyme-1, Hanukkah factor, H factor, HF, GZMA, CTLA3, HFSP

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GZMA Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

GZMA Antibody (internal region) - Protein Information**Name** GZMA {ECO:0000303|PubMed:32299851, ECO:0000312|HGNC:HGNC:4708}**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:3257574, PubMed:3262682, PubMed:3263427, PubMed:32299851, PubMed:12819770)

target="_blank">12819770). It cleaves after Lys or Arg (PubMed:32299851, PubMed:12819770). Once delivered into the target cell, acts by catalyzing cleavage of gasdermin-B (GSDMB), releasing the pore-forming moiety of GSDMB, thereby triggering pyroptosis and target cell death (PubMed:32299851, PubMed:34022140, PubMed:36157507, PubMed:36899106). Cleaves APEX1 after 'Lys-31' and destroys its oxidative repair activity (PubMed:12524539). Cleaves the nucleosome assembly protein SET after 'Lys-189', which disrupts its nucleosome assembly activity and allows the SET complex to translocate into the nucleus to nick and degrade the DNA (PubMed:11555662, PubMed:12628186, PubMed:16818237).

Cellular Location

[Isoform alpha]: Secreted. Cytoplasmic granule. Note=Delivered into the target cell by perforin.

GZMA Antibody (internal region) - 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](#)

GZMA Antibody (internal region) - Images

GZMA Antibody (internal region) - References

Granzyme A cleaves a mitochondrial complex I protein to initiate caspase-independent cell death. Martinvalet D, Dykxhoorn DM, Ferrini R, Lieberman J, Cell 2008 May 133 (4): 681-92. PMID: 18485875