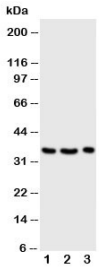
Granzyme A Antibody (R30665)

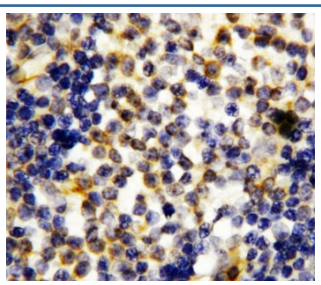
Catalog No.	Formulation	Size
R30665	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P12544
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This Granzyme A antibody is available for research use only.



Western blot testing of Granzyme A antibody and Lane 1: Jurkat; 2: CEM; 3: Raji cell lysate



IHC-P: Granzyme A antibody testing of human tonsil tissue

Description

Granzyme A is a protein that in humans is encoded by the GZMA gene. Cytolytic T lymphocytes(CTL) and natural killer(NK) cells share the remarkable ability to recognize, bind, and lyse specific target cells. They are though to protect their host by lysing cells bearing on their surface nonself antigens, usually peptides or proteins resulting from infection by intracellular pathogens. The protein described here is a T cell- and natural killer cell-specific serine protease that may function as a common component necessary for lysis of target cells by cytotoxic T lymphocytes and natural killer cells. GZMA induces caspase-independent apoptosis in a characteristic manner, except it causes a distinctive form of DNA damage: single-stranded DNA nicking. A target of GZMA is the SET complex, including HMGB2 and ANP32A .

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Granzyme A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human Granzyme A (DRKVCNDRNHYNFNPV) was used as the immunogen for this Granzyme A antibody.

Storage

After reconstitution, the Granzyme A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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