GZMH Antibody

Catalog No: #43676

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	GZMH Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified by immunogen affinity chromatography.
Applications	WB;IHC;ICC/IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total GZMH protein.
Immunogen Description	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Granzyme H.
Target Name	GZMH
Other Names	CCP-X; CGL-2; CSP-C; CTLA1; CTSGL2
Accession No.	Swiss-Prot#: P20718NCBI Gene ID: 2999
Uniprot	P20718
GeneID	2999;
Calculated MW	27kd
Concentration	1 mg/ml
Formulation	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20°C

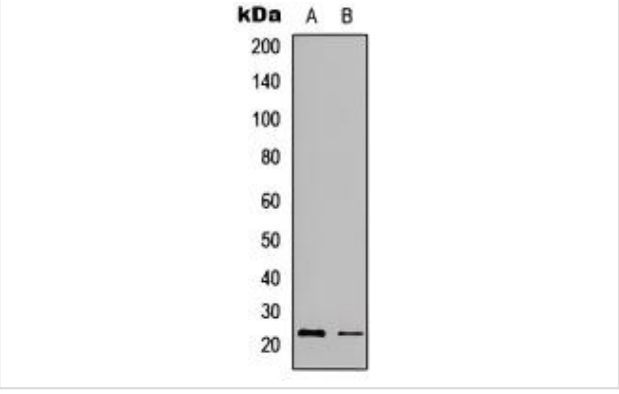
Application Details

WB 1:500 - 1:1000;

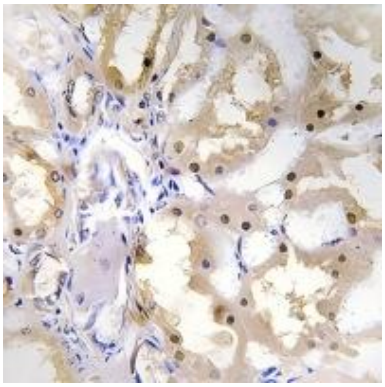
IHC 1:100 - 1:200;

ICC/IF 1:100 - 1:500;

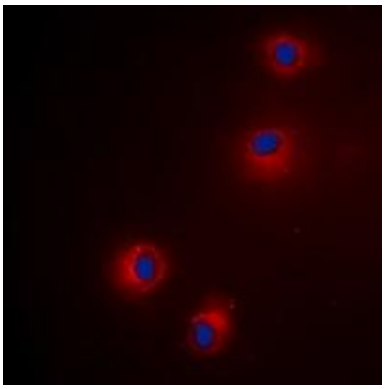
Images



Western blot analysis of Granzyme H expression in Jurkat (A),HeLa (B) whole cell lysates. (Predicted band size: 27 kD;Observed band size: 23 kD)



Immunohistochemical analysis of Granzyme H staining in human kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with
DPX.



Immunofluorescent analysis of Granzyme H staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Background

This gene encodes a member of the peptidase S1 family of serine proteases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate a chymotrypsin-like protease. This protein is reported to be constitutively expressed in the NK (natural killer) cells of the immune system and may play a role in the cytotoxic arm of the innate immune response by inducing target cell death and by directly cleaving substrates in pathogen-infected cells. This gene is present in a gene cluster with another member of the granzyme subfamily on chromosome 14.

Note: This product is for in vitro research use only