

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Granzyme B



Numéro de catalogue: 13588-1-AP

21 Publications

Informations de base

| | | |
|---|---|--|
| Numéro de catalogue: 13588-1-AP | Numéro d'acquisition GenBank: BC030195 | Méthode de purification: Purification par affinité contre l'antigène |
| Taille: 150ul, Concentration: 300 µg/ml by Nanodrop and 153 µg/ml by Bradford method using BSA as the standard; | Identification du gène (NCBI): 3002 | Dilutions recommandées: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500 |
| Hôte: Lapin | Nom complet: granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) | |
| Isotype: IgG | MW calculé 247 aa, 28 kDa | |
| Immunogen Catalog Number: AG3883 | MW observés: 33 kDa | |

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain

Espèces citées:
Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HL-60,

IHC : tissu de lymphome humain,

IF : cellules HeLa,

Informations générales

GZMB(Granzyme B) is also named as CGL1, CSPB, CTLA1, GRB and belongs to the Granzyme subfamily. This enzyme is necessary for target cell lysis in cell-mediated immune responses. The cytotoxic lymphocyte protease granzyme B (GzmB) can promote apoptosis through direct processing and activation of members of the caspase family. GzmB can also cleave the BH3-only protein, BID, to promote caspase-independent mitochondrial permeabilization (PMID:17283187). GzmB induces laminB degradation in isolated nuclei less efficiently than GzmA (PMID:11331782). This full length protein has 2 glycosylation sites and a signal peptide. Unglycosylated human granzyme B is 26 kDa and high mannose glycosylated is 32 kDa and only 32kDa or smaller forms of granzyme B are accumulated within nuclei (PMID:8626751). GzmB also forms dimers.

Publications notables

| Autrice | Pubmed ID | Journal | Application |
|-------------|-----------|-------------------|-------------|
| Haoyu Guo | 36201949 | Biomaterials | IHC |
| Lan Zhang | 34586738 | Clin Transl Med | IHC |
| Tianxiao Xu | 34571002 | J Invest Dermatol | IHC |

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

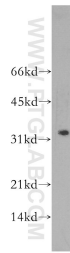
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

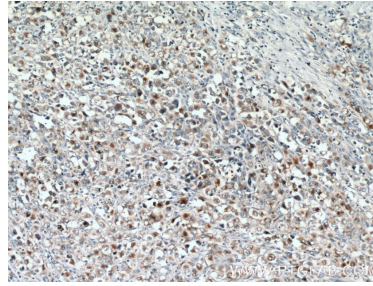
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

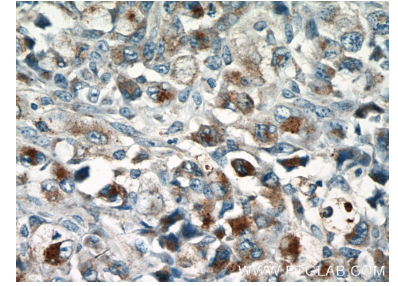
Données de validation sélectionnées



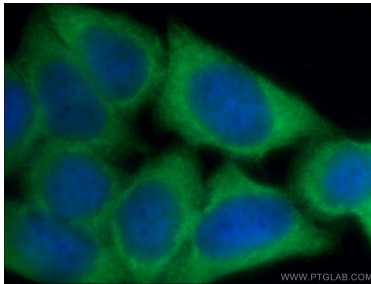
HL-60 cells were subjected to SDS PAGE followed by western blot with 13588-1-AP (GZMB antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



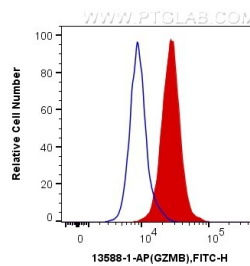
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 13588-1-AP (GZMB antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 13588-1-AP (GZMB antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 13588-1-AP (GZMB antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10⁶ NK92 were intracellularly stained with 0.4 ug Anti-Human Granzyme B (13588-1-AP) (red), or 0.4 ug x. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).