

Nur für Forschungszwecke

Granzyme B Polyklonaler Antikörper



Katalog-Nr.:13588-1-AP

18 Publikationen

Allgemeine Informationen

| | | |
|---|--|---|
| Katalog-Nr.: 13588-1-AP | GenBank-Zugangsnummer: BC030195 | Reinigungsmethode: Antigen-Affinitätsreinigung |
| Größe: 150ul , Konzentration: 300 µg/ml von Nanodrop und 153 µg/ml durch die Bradford-Methode mit BSA als Standard; | GeneID (NCBI): 3002 | Empfohlene Verdünnungen: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500 |
| Wirt: Kaninchen | Vollständiger Name: granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) | |
| Isotyp: IgG | Berechnete Masse: 247 aa, 28 kDa | |
| Immunogen Katalognummer: AG3883 | Beobachtete Masse: 33 kDa | |

Anwendungen

| | |
|--|--|
| Geprüfte Anwendungen: FC, IF, IHC, WB, ELISA | Positivkontrollen: WB : HL-60-Zellen, IHC : humanes Lymphomgewebe, IF : HeLa-Zellen, |
| In Publikationen genannte Anwendungen: IF, IHC, WB | |
| Getestete Reaktivität: Human | |
| Zitierte Arten: Human, Maus | |

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

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

Lagerung

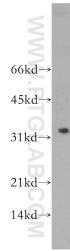
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

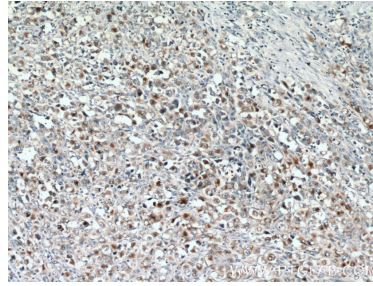
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

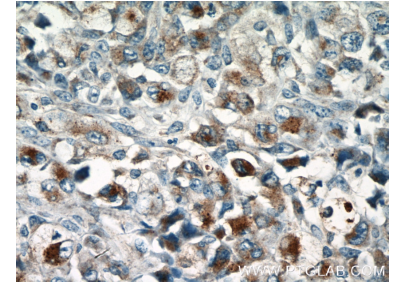
Ausgewählte Validierungsdaten



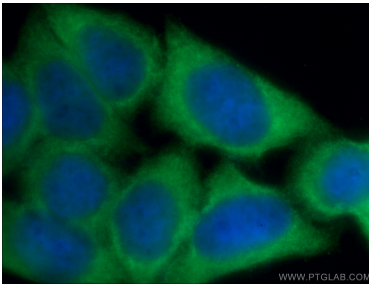
HL-60 cells were subjected to SDS PAGE followed by western blot with 13588-1-AP (GZMB antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



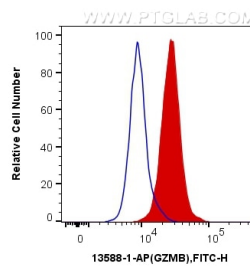
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 13588-1-AP (GZMB antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).