# Granzyme B/H (E20) polyclonal antibody

Catalog: BCP00835 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

The Granzyme family of proteins belong to the larger peptidase S1 family. Granzyme A and granzyme B are serine proteases that facilitate apoptotic signaling in cytotoxic T lymphocytes (CTL) and natural killer (NK) cells. Within the granules of activated CTLs, granzyme A and granzyme B are processed and converted to their active forms by the lysosomal cysteine protease cathepsin C. Once cleaved, these active proteases target distinct substrates for proteolysis and, thereby, mediate apoptosis through two different pathways. Granzyme H, also designated cytotoxic T-lymphocyte proteinase, cathepsin G-like 2 (CTSGL2) or cytotoxic serine protease C (CSP-C), contains one peptidase S1 domain. Granzyme H localizes to cytoplasmic granules of cytolytic T-lymphocytes and is important for target cell lysis in cell-mediated immune responses.

## Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

## Molecular Weight:

~ 28 kDa

## Swiss-Prot:

P10144/P20718

## Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

## Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

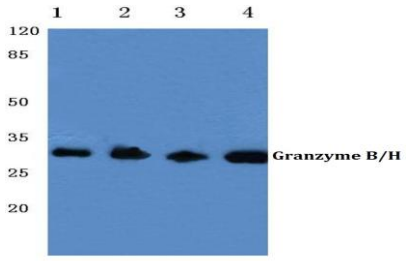
## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

## Specificity:

Granzyme B/H (E20) polyclonal antibody detects endogenous levels of Granzyme B and Granzyme H protein.

## DATA:



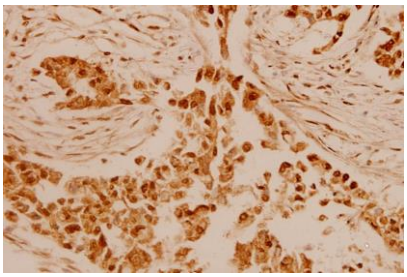

Western blot (WB) analysis of Granzyme B/H (E20) polyclonal antibody at 1:500 dilution

Lane1:MCF-7 cell lysate

Lane2:Raw264.7 cell lysate

Lane3:SP2/0 cell lysate

Lane4:H9C2 cell lysate



Immunohistochemistry (IHC) analyzes of Granzyme B/H (E20) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

## Note:

For research use only, not for use in diagnostic procedure.

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