GSDMD-NT polyclonal antibody

Catalog: BS67736 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

Gasdermin D (GSDMD), a member of the gasdermin family that includes GSDMA, GSDMB, and GSDMC, has been reported to have a critical role as a downstream effector of pyroptosis. Pyroptosis is a lytic type of cell death triggered by inflammasomes, multiprotein complexes assembled in response to pathogen-associated molecular patterns (PAMPs) or danger-associated molecular patterns (DAMPs) that result in the activation of caspase-1 and subsequent cleavage of pro-inflammatory cytokines IL-1β and IL-18. Gasdermin D was identified by two independent groups as a substrate of inflammatory caspases, caspase-1 and caspase-11/4/5, producing two fragments: GSDMD-N and GSDMD-C. Cleavage results in release of an intramolecular inhibitory interaction between the N- and C-terminal domains, allowing the N-terminal fragment GSDMD-N to initiate pyroptosis through the formation of pores on the plasma membrane.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 29 kDa

Swiss-Prot:

P57764

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/2000)

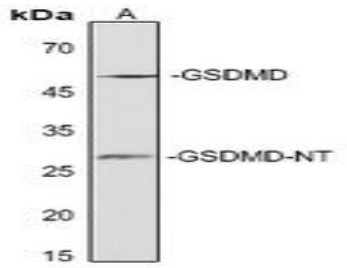
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of GSDMD-NT protein

DATA:



Western blot analysis of GSDMD-NT expression in THP1 (A) whole cell lysates.

Note:

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

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