



GSDMD C-terminal Rabbit pAb

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| Catalog No | YP-Ab-19201 |
| Isotype | IgG |
| Reactivity | Human |
| Applications | WB |
| Gene Name | GSDMD |
| Protein Name | Gasdermin domain-containing protein 1, Gasdermin-D, GSDMD, GSDMD-CT, GSDMD-NT, GSDMD_HUMAN |
| Immunogen | |
| Specificity | The antibody detects endogenous full length and c-terminal fragment of gsdmd protein, |
| Formulation | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA |
| Source | Polyclonal, Rabbit, IgG |
| Purification | The antibody was affinity-purified from rabbit ascites by affinity-chromatography using specific immunogen. |
| Dilution | WB 1:500-2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | |
| Observed Band | 53kD |
| Calculated Molecular Weight | 53kD |
| Cell Pathway | [Gasdermin-D]: Cytoplasm, cytosol . Inflammasome . In response to a canonical inflammasome stimulus, such as nigericin, recruited to NLRP3 inflammasome with similar kinetics to that of uncleaved CASP1 precursor. . ; [Gasdermin-D, N-terminal]: Cell membrane ; Multi-pass membrane protein . Secreted . Released in the extracellular milieu following pyroptosis. . ; [Gasdermin-D, C-terminal]: Cytoplasm, cytosol . |
| Tissue Specificity | Expressed in the suprabasal cells of esophagus, as well as in the isthmus/neck, pit, and gland of the stomach, suggesting preferential expression in differentiating cells. |
| Function | Cleavage at Asp-275 by CASP1 (mature and uncleaved precursor forms), CASP4, CASP5 or CASP8 relieves autoinhibition and is sufficient to initiate pyroptosis (PubMed:26375003, PubMed:29898893, PubMed:32109412). Cleavage by CASP1 and CASP4 is not strictly dependent on the consensus cleavage site on GSDMD but depends on an exosite interface on CASP1 that recognizes and binds the Gasdermin-D, C-terminal (GSDMD-CT) part (PubMed:32109412). Cleavage by CASP8 takes place following inactivation of |



MAP3K7/TAK1 by Yersinia toxin YopJ (By similarity). Cleavage at Asp-87 by CASP3 or CAPS7 inactivates the ability to mediate pyroptosis (PubMed:28392147, PubMed:28045099).

Background

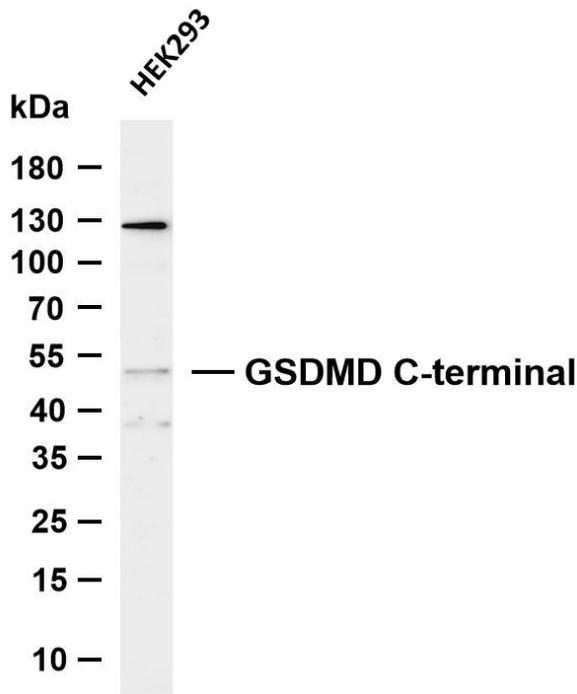
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-GSDMD C-terminal antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HEK293 Predicted band size: 53kDa Observed band size: 53kDa