

Anti-cleaved N-terminal GSDMD Rabbit pAb



WL05411

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

|                       |                                                              |              |
|-----------------------|--------------------------------------------------------------|--------------|
| Product name          | Anti-cleaved N-terminal GSDMD Rabbit pAb                     |              |
| Source                | Rabbit                                                       |              |
| Species reactivity    | Human, Mouse, Rat                                            |              |
| Tested applications   | WB                                                           | 1:500-1:1000 |
|                       | IHC                                                          | 1:200        |
|                       | IF                                                           | 1:200        |
|                       |                                                              |              |
| Cellular localization | Cell membrane, Cytoplasm, Inflammasome, Nucleus, Secreted    |              |
| Pack size             | 50/100/200/500/1000μl                                        |              |
| Storage               | Store at -20°C. <b>Avoid freeze/thaw cycles.</b>             |              |
| Storage buffer        | Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml |              |
|                       | BSA, 50% glycerol and less than 0.02% sodium azide           |              |

General Information

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background   | GSDMD (gasdermin-D) promotes pyroptosis in response to microbial infection and danger signals. It is produced by the cleavage of gasdermin-D by inflammatory caspases CASP1 or CASP4 in response to canonical, as well as, non-canonical inflammasome activators. After cleavage, GSDMD moves to the plasma membrane where it strongly binds to inner leaflet lipids including phosphatidylinositol 4-phosphate, phosphatidylinositol (4,5)-biphosphate, phosphatidylinositol (3,4,5)-biphosphate, phosphatidic acid, and phosphatidylserine. |
| Immunogen    | Polyclonal antibody is produced by immunizing animals with a synthetic peptide of cleaved N-terminal GSDMD.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purification | Polyclonal antibody was purified by immunogen affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

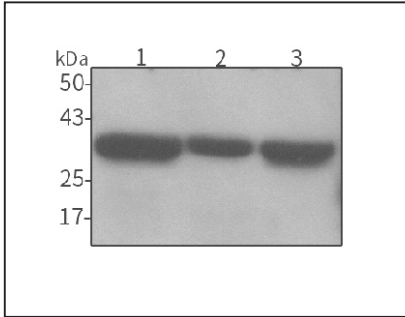
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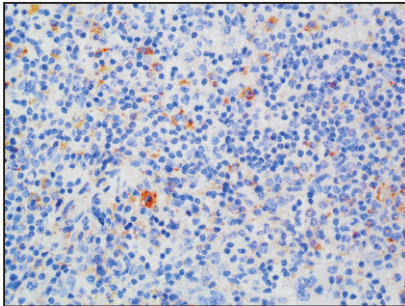
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Product Images



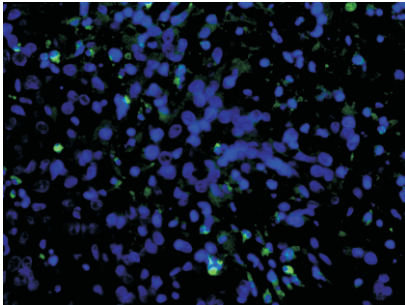
**Western blot-Anti-cleaved N-terminal GSDMD pAb**

Lane 1: Mouse kidney tissue lysate  
Lane 2: Mouse heart tissue lysate  
Lane 3: Rat stomach tissue lysate  
All lanes: Anti-cleaved N-terminal GSDMD at 1:1000 dilution  
Lysates/proteins at 20-50 μg per lane.  
Predicted band size: 31 kDa  
Observed band size: 31 kDa



**Immunohistochemistry-Anti-cleaved N-terminal GSDMD pAb**

Immunohistochemical analysis of paraffin-embedded mouse spleen using anti-cleaved N-terminal GSDMD Rabbit Antibody at 1:100 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



**Immunofluorescence-Anti-cleaved N-terminal GSDMD pAb**

Immunofluorescence analysis of paraffin-embedded human esophagus cancer using anti-cleaved N-terminal GSDMD Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0