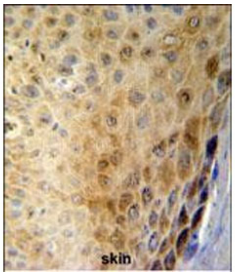
GSDMA Antibody / Gasdermin-A (F55124)

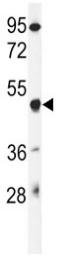
Catalog No.	Formulation	Size
F55124-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55124-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

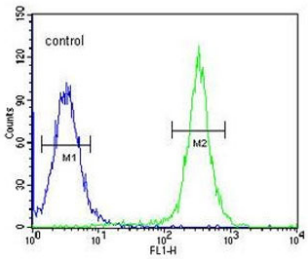
Availability	1-2 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q96QA5
Localization	Cytoplasm, cell membrane
Applications	Western blot: 1:500-1:1000 Immunohistochemistry (FFPE): 1:50-1:100 Flow cytometry: 1:10-1:50 per million cells in 0.1ml
Limitations	This GSDMA antibody is available for research use only.



IHC staining of FFPE human skin tissue with GSDMA antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of mouse liver tissue lysate with GSDMA antibody. Predicted molecular weight ~49 kDa.



Flow cytometry testing of human HEK293 cells with GSDMA antibody; Blue=isotype control, Green= GSDMA antibody.

Description

Gasdermin-A is a protein that plays a crucial role in programmed cell death, or pyroptosis, a process that is essential for the body to eliminate infected or damaged cells. This protein acts as a pore-forming molecule, causing the cell membrane to rupture and release pro-inflammatory molecules that signal the immune system to clear away the debris. Recent studies have shown that dysregulation of Gasdermin-A can lead to a variety of health issues, including autoimmune diseases, inflammatory disorders, and even cancer.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the GSDMA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 66-94 from the human protein was used as the immunogen for this GSDMA antibody.

Storage

Store at 4oC for up to one month. For long term, aliquot the GSDMA antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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