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GSDMC Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10771c

Specification

GSDMC Antibody (Center) - Product Information

Application	**IHC-P, WB, FC,E**
Primary Accession	Q9BYG8
Other Accession	NP_113603.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**218-246**

GSDMC Antibody (Center) - Additional Information

Gene ID 56169

Other Names
Gasdermin-C, Melanoma-derived leucine zipper-containing extranuclear factor, GSDMC, MLZE

Target/Specificity
This GSDMC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 218-246 amino acids from the Central region of human GSDMC.

Dilution
IHC-P~~1:50~100
WB~~1:2000
FC~~1:25
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GSDMC Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GSDMC Antibody (Center) - Protein Information

Name GSDMC {ECO:0000303|PubMed:17350798, ECO:0000312|HGNC:HGNC:7151}

Function [Gasdermin-C]: This form constitutes the precursor of the pore-forming protein: upon cleavage, the released N-terminal moiety (Gasdermin-C, N-terminal) binds to membranes and forms pores, triggering pyroptosis.

Cellular Location
[Gasdermin-C]: Cytoplasm, cytosol

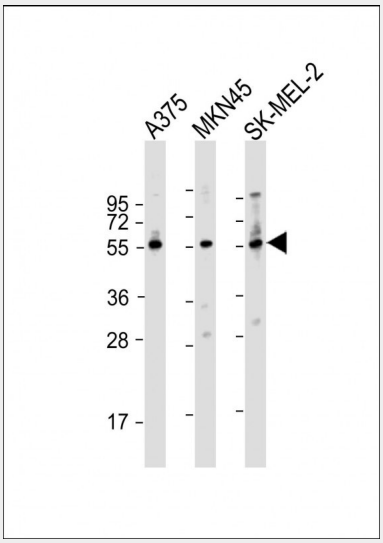
Tissue Location
Expressed mainly in trachea and spleen (PubMed:11223543). In the esophagus, expressed in differentiating cells and probably in differentiated cells. Also detected in gastric epithelium (PubMed:19051310).

GSDMC Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GSDMC Antibody (Center) - Images



All lanes : Anti-GSDMC Antibody (Center) at 1:2000 dilution Lane 1: A375 whole cell lysate Lane 2: MKN45 whole cell lysate Lane 3: SK-MEL-2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 58 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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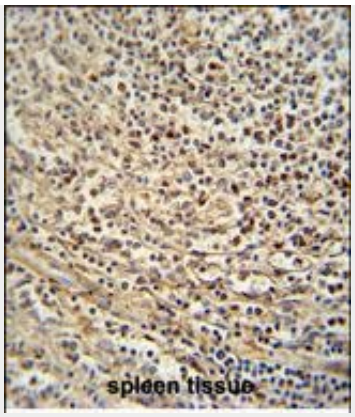
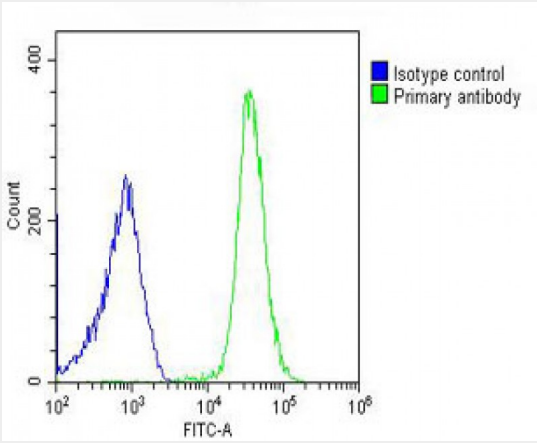


GSDMC antibody (Center) (Cat. #AP10771c) immunohistochemistry analysis in formalin fixed and paraffin embedded human spleen tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GSDMC antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Overlay histogram showing U-2OS cells stained with AP10771c (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP10771c, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

GSDMC Antibody (Center) - References

Birnbaum, S., et al. Nat. Genet. 41(4):473-477(2009)
Saeki, N., et al. Genes Chromosomes Cancer 48(3):261-271(2009)
Tamura, M., et al. Genomics 89(5):618-629(2007)
Watabe, K., et al. Jpn. J. Cancer Res. 92(2):140-151(2001)

GSDMC Antibody (Center) - Citations

- PD-L1-mediated gasdermin C expression switches apoptosis to pyroptosis in cancer cells and facilitates tumour necrosis