

Gasdermin-E antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22465a

Specification

Gasdermin-E antibody - Product Information

Application	WB,E
Primary Accession	O60443
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Calculated MW	54555

Gasdermin-E antibody - Additional Information

Gene ID 1687

Other Names

Gasdermin-E, Inversely correlated with estrogen receptor expression 1, ICERE-1, Non-syndromic hearing impairment protein 5, Gasdermin-E, N-terminal, GSDME-NT, Gasdermin-E, C-terminal, GSDME-CT, GSDME {ECO:0000303|PubMed:28459430, ECO:0000312|HGNC:HGNC:2810}

Target/Specificity

This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.

Dilution

WB~~1:1000

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

Gasdermin-E antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Gasdermin-E antibody - Protein Information

Name GSDME {ECO:0000303|PubMed:28459430, ECO:0000312|HGNC:HGNC:2810}

Function [Gasdermin-E]: Precursor of a pore-forming protein that converts non-inflammatory apoptosis to pyroptosis (PubMed:[27281216](#), PubMed:[28459430](#), PubMed:[33852854](#),

PubMed:[35594856](#), PubMed:[36607699](#)). This form constitutes the precursor of the pore-forming protein: upon cleavage, the released N-terminal moiety (Gasdermin-E, N-terminal) binds to membranes and forms pores, triggering pyroptosis (PubMed:[28459430](#)).

Cellular Location

[Gasdermin-E, N-terminal]: Cell membrane; Multi-pass membrane protein
{ECO:0000250|UniProtKB:Q5Y4Y6}

Tissue Location

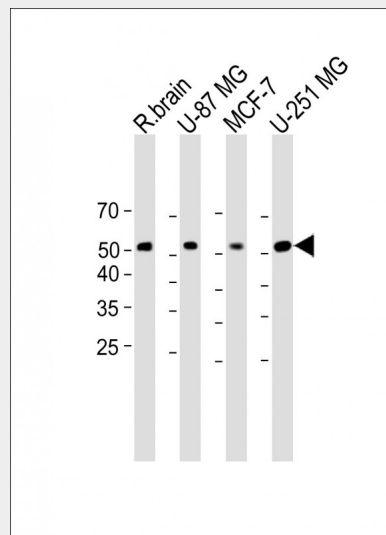
Expressed in cochlea (PubMed:9771715). Low level of expression in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas, with highest expression in placenta (PubMed:9771715).

Gasdermin-E antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Gasdermin-E antibody - Images



All lanes: Anti-Gasdermin-E antibody at 1:1000 dilution Lane 1: Rat brain lysate Lane 2: U-87 MG whole cell lysate Lane 3: MCF-7 whole cell lysate Lane 4: U-251 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 55 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Gasdermin-E antibody - Background

[Gasdermin-E]: Precursor of a pore-forming protein that converts non-inflammatory apoptosis to

pyroptosis (PubMed:27281216, PubMed:28459430, PubMed:33852854, PubMed:35594856, PubMed:36607699). This form constitutes the precursor of the pore-forming protein: upon cleavage, the released N-terminal moiety (Gasdermin-E, N-terminal) binds to membranes and forms pores, triggering pyroptosis (PubMed:28459430).

Gasdermin-E antibody - References

Van Laer L.,et al.Nat. Genet. 20:194-197(1998).

Van Laer L.,et al.Submitted (JUN-1998) to the EMBL/GenBank/DDBJ databases.

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Ota T.,et al.Nat. Genet. 36:40-45(2004).

Hillier L.W.,et al.Nature 424:157-164(2003).