

Anti-DFNA5 Antibody

Catalog # AP51164

Product Information

Application	WB
Primary Accession	O60443
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54555

Additional Information

Gene ID	1687
Other Names	Gasdermin-E; Inversely correlated with estrogen receptor expression 1; ICERE-1; Non-syndromic hearing impairment protein 5; DFNA5; ICERE1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DFNA5. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

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).

References

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

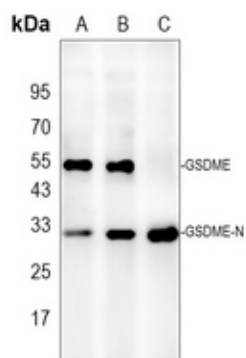
Van Laer L.,et al.Submitted (JUN-1998) to the EMBL/GenBank/DDBJ databases.

Mei G.,et al.Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.

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

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

Images



Western blot analysis of DFNA5 expression in HEK293T (A), rat heart (B), rat liver (C) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 55, 30 kD)

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