

**DFNA5 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51164**

**Specification**

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**DFNA5 Antibody - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">O60443</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>54 KDa</b>

**DFNA5 Antibody - Additional Information**

**Gene ID** 1687

**Other Names**

Non-syndromic hearing impairment protein 5, Inversely correlated with estrogen receptor expression 1, ICERE-1, DFNA5, ICERE1

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**DFNA5 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: <a href="http://www.uniprot.org/citations/27281216" target="\_blank">27281216</a>, PubMed: <a href="http://www.uniprot.org/citations/28459430" target="\_blank">28459430</a>, PubMed: <a href="http://www.uniprot.org/citations/33852854" target="\_blank">33852854</a>, PubMed: <a href="http://www.uniprot.org/citations/35594856" target="\_blank">35594856</a>, PubMed: <a href="http://www.uniprot.org/citations/36607699" target="\_blank">36607699</a>). 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: <a href="http://www.uniprot.org/citations/28459430" target="\_blank">28459430</a>).

**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).

### **DFNA5 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](#)

### **DFNA5 Antibody - Images**

### **DFNA5 Antibody - Background**

Involved in apoptosis and cell survival. Plays a role in the TP53-regulated cellular response to DNA damage probably by cooperating with TP53.

### **DFNA5 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.  
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).