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DFNA5 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6842a

Specification

DFNA5 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O60443

DFNA5 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 1687

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6842a was selected from the N-term region of human DFNA5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DFNA5 Antibody (N-term) Blocking Peptide - 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). 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).

DFNA5 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

DFNA5 Antibody (N-term) Blocking Peptide - Images

DFNA5 Antibody (N-term) Blocking Peptide - Background

Hearing impairment is a heterogeneous condition with over 40 loci described. DFNA5 is expressed in fetal cochlea, however, its function is not known.

DFNA5 Antibody (N-term) Blocking Peptide - References

Cheng,J., et.al., Clin. Genet. 72 (5), 471-477 (2007)