DFNA5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DFNA5, Polyclonal Antibody
Full Product Name	DFNA5 Conjugated Antibody
Product Gene Name	anti-DFNA5 antibody
Product Synonym Names	ICERE-1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total DFNA5 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	36,043 Da
OMIM	600994
3D Structure	ModBase 3D Structure for O60443
Immunogen	Fusion protein of human DFNA5
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-DFNA5 antibody	Most Applications
Application Notes for anti-DFNA5 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-DFNA5 antibody	Hearing impairment is a heterogeneous condition with over 40 loci described. The protein encoded by this gene is expressed in fetal cochlea, however, its function is not known. Nonsyndromic hearing impairment is associated with a mutation in this gene. Three transcript variants encoding two different isoforms have been found for this gene.
Other Notes	Small volumes of anti-DFNA5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DFNA5 purchase	MBS9454910 is an antibody targeting DFNA5. Also known as DFNA5 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DFNA5. It may not necessarily be applicable to this product.

NCBI GI #	18043098
NCBI GeneID	1687
NCBI Accession #	BC019689
UniProt Primary Accession #	O60443
UniProt Secondary Accession #	O14590; Q08AQ8; Q9UBV3; A4D156; B2RAX9; B3KT05
UniProt Related Accession #	O60443
NCBI Official Full Name	Homo sapiens deafness, autosomal dominant 5, mRNA
NCBI Official Synonym Full Names	DFNA5, deafness associated tumor suppressor
NCBI Official Symbol	DFNA5
NCBI Official Synonym Symbols	ICERE-1
UniProt Protein Name	Non-syndromic hearing impairment protein 5
UniProt Synonym Protein Names	Inversely correlated with estrogen receptor expression 1
Protein Family	Non-syndromic hearing impairment protein
UniProt Gene Name	DFNA5
UniProt Synonym Gene Names	ICERE1
UniProt Entry Name	DFNA5_HUMAN
NCBI Protein Information	non-syndromic hearing impairment protein 5
UniProt Comments for DFNA5	DFNA5: Involved in apoptosis and cell survival. Plays a role in the TP53-regulated cellular response to DNA damage probably by cooperating with TP53. Defects in DFNA5 are the cause of deafness autosomal dominant type 5 (DFNA5). DFNA5 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information. Is a tumor suppressor gene with an important role in major types of tumors. Could be a valuable molecular marker in cancer. Belongs to the gasdermin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Tumor suppressor Chromosomal Location of Human Ortholog: 7p15 Cellular Component: cytoplasm Biological Process: negative regulation of cell proliferation; sensory perception of sound; inner ear receptor cell differentiation; apoptosis Disease: Deafness, Autosomal Dominant 5
Research Articles on DFNA5	**1.** Genetic variations in the EYA4, GRHL2 and DFNA5 genes and their interactions with occupational noise exposure may play an important role in the incidence of noise-induced hearing loss (NIHL).
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