DAZ Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DAZ, Polyclonal Antibody
Full Product Name	DAZ, NT (Deleted In Azoospermia Protein 1, DAZ1) (MaxLight 490)
Product Gene Name	anti-DAZ antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human DAZL.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	67,295 Da
OMIM	gene 415000
3D Structure	ModBase 3D Structure for Q9NQZ3
Immunogen	Synthetic peptide selected from the N-terminal region of human DAZL (KLH).
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-DAZ antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-DAZ antibody	Immunohistochemistry (IHC), FLISA
Application Notes for anti-DAZ antibody	IHC: 1:10-1:50 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-DAZ antibody	MBS6472202 is an antibody targeting DAZ. Also known as DAZ, NT (Deleted In Azoospermia Protein 1, DAZ1) (MaxLight 490). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-DAZ antibody	1. Huang, W.J., Hum. Reprod. 23(6), 1280-1289 (2008). 2. Lardone, M.C., Mol. Hum. Reprod. 13(10), 705-712 (2007).
Other Notes	Small volumes of anti-DAZ 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.

ADDITIONAL DETAILS

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

NCBI GI #	189181654
NCBI GeneID	1617
NCBI Accession #	NP_004072
UniProt Primary Accession #	Q9NQZ3
UniProt Secondary Accession #	Q1RMF9; Q9NQZ4
UniProt Related Accession #	Q9NQZ3
GenBank Nucleotide #	NM_004081
NCBI Official Full Name	deleted in azoospermia protein 1
NCBI Official Synonym Full Names	deleted in azoospermia 1
NCBI Official Symbol	DAZ1
NCBI Official Synonym Symbols	DAZ; SPGY
UniProt Protein Name	Deleted in azoospermia protein 1
Protein Family	DAZ-associated protein
UniProt Gene Name	DAZ1
UniProt Synonym Gene Names	DAZ; SPGY
UniProt Entry Name	DAZ1_HUMAN
NCBI Protein Information	deleted in azoospermia protein 1
UniProt Comments for DAZ	DAZ1: RNA-binding protein that plays an essential role in spermatogenesis. May act by binding to the 3'-UTR of mRNAs and regulating their translation. Promotes germ-cell progression to meiosis and formation of haploid germ cells. Defects in DAZ1 may be a cause of spermatogenic failure Y-linked type 2 (SPGFY2). It is a disorder resulting in the absence (azoospermia) or reduction (oligozoospermia) of sperm in the semen, leading to male infertility. AZFc deletions in the Yq11.23 region including the DAZ genes are the most common known genetic cause of human male infertility. Belongs to the RRM DAZ family. Protein type: RNA-binding Chromosomal Location of Human Ortholog: Yq11.223 Cellular Component: cytoplasm; nucleus Molecular Function: protein binding; translation activator activity; RNA binding; nucleotide binding Biological Process: positive regulation of translational initiation; multicellular organismal development; spermatogenesis; cell differentiation Disease: Spermatogenic Failure, Y-linked, 2
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