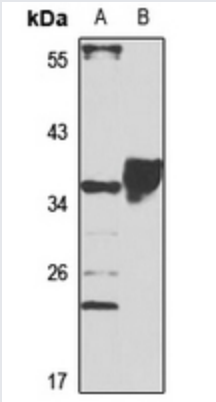
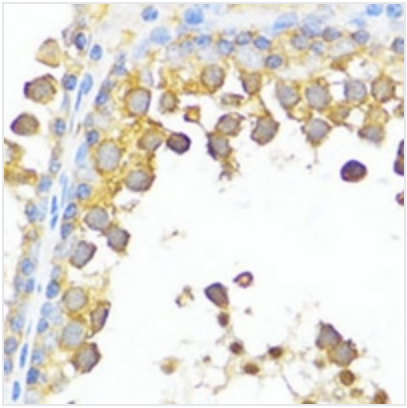
DAZL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

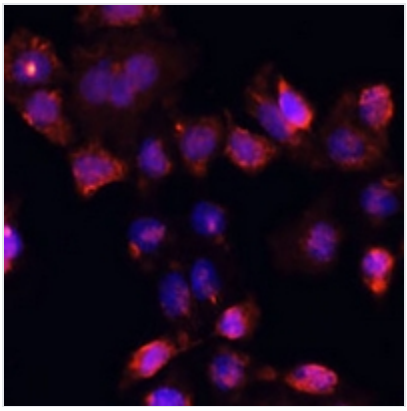
Product Name	DAZL, Polyclonal Antibody
Full Product Name	Anti-DAZL Antibody
Product Gene Name	anti-DAZL antibody
Product Synonym Names	DAZH; DAZL1; DAZLA; SPGYLA; Deleted in azoospermia-like; DAZ homolog; DAZ-like autosomal; Deleted in azoospermia-like 1; SPGY-like-autosomal
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of DAZL protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	295
OMIM	601486
3D Structure	ModBase 3D Structure for Q92904
Immunogen	Recombinant fusion protein of human DAZL. The exact sequence is proprietary.
Applications Tested/Suitable for anti-DAZL antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)
Application Notes for anti-DAZL antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:50-1:200
Related Product Information for anti-DAZL antibody	MBS8306417 is an antibody targeting DAZL. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to DAZL
Other Notes	Small volumes of anti-DAZL 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.



Western Blot (WB) of anti-DAZL antibody
Western blot analysis of DAZL expression in SGC7901 (A), rat testis (B) whole cell lysates.



Immunohistochemistry (IHC) of anti-DAZL antibody
Immunohistochemical analysis of DAZL staining in rat testis formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence (IF)/Immunocytochemistry (ICC) of anti-DAZL antibody
Immunofluorescent analysis of DAZL staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a hidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

ADDITIONAL DETAILS

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

NCBI GI #	27805453
NCBI GeneID	1618
NCBI Accession #	Q92904.1
UniProt Primary Accession #	Q92904
UniProt Secondary Accession #	Q64368
UniProt Related Accession #	Q92904
NCBI Official Full Name	Deleted in azoospermia-like
NCBI Official Synonym Full Names	deleted in azoospermia-like
NCBI Official Symbol	DAZL
NCBI Official Synonym Symbols	DAZH; DAZL1; DAZLA; SPGYLA

UniProt Protein Name	Deleted in azoospermia-like
UniProt Synonym Protein Names	DAZ homolog; DAZ-like autosomal; Deleted in azoospermia-like 1; SPGY-like-autosomal
Protein Family	Deleted in azoospermia
UniProt Gene Name	DAZL
UniProt Synonym Gene Names	DAZH; DAZL1; DAZLA; SPGYLA
UniProt Entry Name	DAZL_HUMAN
NCBI Protein Information	deleted in azoospermia-like; DAZ homolog; DAZ-like autosomal; SPGY-like-autosomal; deleted in azoospermia-like 1; germline specific RNA binding protein; spermatogenesis gene on the Y-like autosomal
NCBI Summary for DAZL	The DAZ (Deleted in AZoospermia) gene family encodes potential RNA binding proteins that are expressed in prenatal and postnatal germ cells of males and females. The protein encoded by this gene is localized to the nucleus and cytoplasm of fetal germ cells and to the cytoplasm of developing oocytes. In the testis, this protein is localized to the nucleus of spermatogonia but relocates to the cytoplasm during meiosis where it persists in spermatids and spermatozoa. Transposition and amplification of this autosomal gene during primate evolution gave rise to the DAZ gene cluster on the Y chromosome. Mutations in this gene have been linked to severe spermatogenic failure and infertility in males. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]
UniProt Comments for DAZL	DAZL: RNA-binding protein, which is essential for gametogenesis. Plays a central role during spermatogenesis. May act by binding to the 3'-UTR of mRNA and thereby regulating the translation of key transcripts. Homodimer and heterodimer. Forms a heterodimer with DAZ. Interacts with BOLL, DAZAP1 and DAZAP2. Interacts with PUM2. Testis specific. Belongs to the RRM DAZ family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Translation Chromosomal Location of Human Ortholog: 3p24.3 Cellular Component: polysome; cytoplasm; nucleus Molecular Function: identical protein binding; protein binding; translation activator activity; mRNA 3'-UTR binding; RNA binding; nucleotide binding Biological Process: positive regulation of translational initiation; positive regulation of meiosis; female meiosis II; multicellular organismal development; spermatogenesis; oocyte maturation; germ cell development
Research Articles on DAZL	**1.** analysis of T12A and T54A polymorphisms role in the development of male infertility (Meta-Analysis)
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