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DAZ4 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12556c

Specification

DAZ4 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q86SG3

DAZ4 Antibody (Center) Blocking peptide - Additional Information

Gene ID 57135

Other Names
Deleted in azoospermia protein 4, DAZ4

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.

DAZ4 Antibody (Center) Blocking peptide - Protein Information

Name DAZ4

Function
RNA-binding protein that plays an essential role in spermatogenesis. May act by binding to the 3'-UTR of mRNAs and regulating their translation.

Cellular Location
Cytoplasm. Nucleus. Note=Predominantly cytoplasmic. Nuclear at some stages of spermatozoide development. Localizes both to the nuclei and cytoplasm of spermatozoide differentiation. Nuclear in fetal gonocytes and in spermatogonial nuclei. It then relocates to the cytoplasm during male meiosis

Tissue Location
Testis-specific. Expression restricted to premeiotic germ cells, particularly in spermatogonia (at protein level).

DAZ4 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

DAZ4 Antibody (Center) Blocking peptide - Images

DAZ4 Antibody (Center) Blocking peptide - Background

This gene is a member of the DAZ gene family and is acandidate for the human Y-chromosomal azoospermia factor (AZF). Itsexpression is restricted to premeiotic germ cells, particularly inspermatogonia. It encodes an RNA-binding protein that is importantfor spermatogenesis. Four copies of this gene are found onchromosome Y within palindromic duplications; one pair of genes ispart of the P2 palindrome and the second pair is part of the P1palindrome. Each gene contains a 2.4 kb repeat including a 72-bpexon, called the DAZ repeat; the number of DAZ repeats is variableand there are several variations in the sequence of the DAZ repeat.Each copy of the gene also contains a 10.8 kb region that may beamplified; this region includes five exons that encode an RNArecognition motif (RRM) domain. This gene contains two copies ofthe 10.8 kb repeat. Alternative splicing results in multipletranscript variants encoding different isoforms. [provided byRefSeq].

DAZ4 Antibody (Center) Blocking peptide - References

Kim, B., et al. Hum. Reprod. 24(6):1507-1515(2009)Lardone, M.C., et al. Fertil. Steril. 88(5):1318-1326(2007)A, Z.C., et al. Yi Chuan 28(9):1057-1060(2006)Kuo, P.L., et al. Fertil. Steril. 81(4):1034-1040(2004)Ferlin, A., et al. Fertil. Steril. 81(4):1013-1018(2004)