

DAZ3 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12305b

Specification

DAZ3 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O9NR90
Other Accession	O86SG3 , O13117 , O9NQZ3 , NP_065097.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	54989
Antigen Region	445-474

DAZ3 Antibody (C-term) - Additional Information

Gene ID 57054

Other Names

Deleted in azoospermia protein 3, DAZ3

Target/Specificity

This DAZ3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 445-474 amino acids from the C-terminal region of human DAZ3.

Dilution

WB~~1:1000

IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DAZ3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DAZ3 Antibody (C-term) - Protein Information

Name DAZ3

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

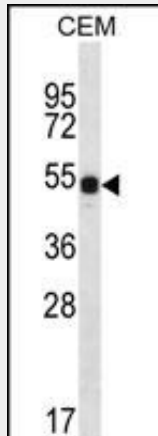
Testis specific..

DAZ3 Antibody (C-term) - Protocols

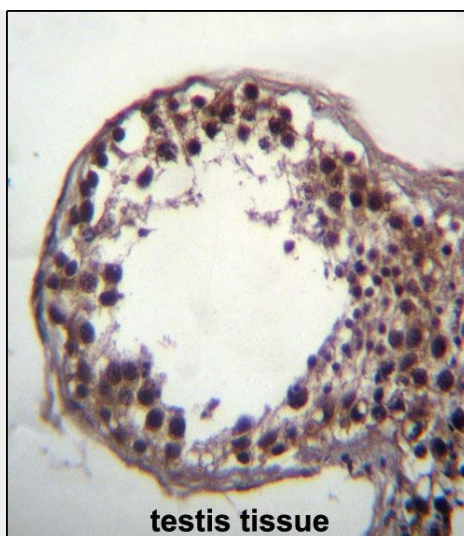
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DAZ3 Antibody (C-term) - Images



DAZ3 Antibody (C-term) (Cat. #AP12305b) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the DAZ3 antibody detected the DAZ3 protein (arrow).



testis tissue

DAZ3 Antibody (C-term) (Cat. #AP12305b) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DAZ3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

DAZ3 Antibody (C-term) - Background

This gene is a member of the DAZ gene family and is a candidate for the human Y-chromosomal azoospermia factor (AZF). Its expression is restricted to premeiotic germ cells, particularly in spermatogonia. It encodes an RNA-binding protein that is important for spermatogenesis. Four copies of this gene are found on chromosome Y within palindromic duplications; one pair of genes is part of the P2 palindrome and the second pair is part of the P1 palindrome. Each gene contains a 2.4 kb repeat including a 72-bp exon, called the DAZ repeat; the number of DAZ repeats is variable and 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 be amplified; this region includes five exons that encode an RNA recognition motif (RRM) domain. This gene contains one copy of the 10.8 kb repeat.

DAZ3 Antibody (C-term) - 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)