

AP51186PU-N**Polyclonal Antibody to DAZ2 (C-term) - Aff - Purified****Alternate names:**

Deleted in azoospermia protein 2

Quantity:

0.4 ml

Concentration:

lot specific

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. Alternative splicing results in multiple transcript variants encoding different isoforms.

Uniprot ID:[Q13117](#)**NCBI:**[NP_001005785](#)**GeneID:**[57055](#)**Host / Isotype:**

Rabbit / Ig

Immunogen:

KLH conjugated synthetic peptide between 325-354 amino acids from the C-terminal region of Human DAZ2.

Gene name: DAZ2**Format:****State:** Liquid purified Ig fraction**Purification:** Protein A column, followed by peptide affinity purification**Buffer System:** PBS**Preservatives:** 0.09% Sodium Azide**Applications:****ELISA:** 1/1000.**Western Blot:** 1/100-1/500.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody recognizes Human DAZ2 (C-term).

Add. Information:**Molecular Weight:** 63111 Da**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Kim, B., et al. Hum. Reprod. 24(6):1507-1515 (2009).
2. Lardone, M.C., et al. Fertil. Steril. 88(5):1318-1326(2007).
3. A, Z.C., et al. Yi Chuan 28(9):1057-1060 (2006).
4. Zhang, F., et al. Ann. Hum. Genet. 70 (PT 3), 304-313 (2006).

5. Yang, Y., et al. Fertil. Steril. 85(4):1061-1063 (2006).

Pictures:

Western blot analysis of DAZ2 Antibody (C-term) Cat.-No AP51186PU-N in 293 cell line lysates (35ug/lane). This demonstrates the DAZ2 antibody detected the DAZ2 protein (arrow).

