

## Product datasheet for **AP51188PU-N**

### Deleted in azoospermia 4 (DAZ4) (Center) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Immunohistochemistry on Paraffin Sections:</b> 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 89-120 amino acids from the Central region of Human DAZ4.
Specificity:	This antibody recognizes Human DAZ4 (Center).
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Homo sapiens deleted in azoospermia 4 (DAZ4), transcript variant 1
Database Link:	<a href="#">Entrez Gene 57135 Human</a> <a href="#">Q86SG3</a>



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**Background:**

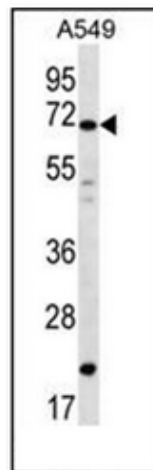
This gene is a member of the DAZ gene family and is a candidate for the human Y-chromosomal azoospermia factor (AZF). Its expression is restricted to premeiotic germ cells, particularly in spermatogonia. It encodes an RNA-binding protein that is important for spermatogenesis. Four copies of this gene 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 two copies of the 10.8 kb repeat. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq].

**Synonyms:**

Deleted in azoospermia protein 4

**Note:**

**Molecular Weight:** 64785 Da

**Product images:**

Western blot analysis of DAZ4 Antibody in A549 cell line lysates (35ug/lane). This demonstrates the DAZ4 antibody detected the DAZ4 protein (arrow).



Formalin fixed, paraffin embedded human testis tissue stained with DAZ4 Antibody followed by peroxidase conjugation of the secondary antibody and DAB staining.