



# Anti-DAZ1 (aa 21-120) polyclonal antibody (DPAB-DC704)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 three copies of the 10.8 kb repeat. However, no transcripts containing three copies of the RRM domain have been described; thus the RefSeq for this gene contains only two RRM domains.
<b>Immunogen</b>	DAZ1 (AAH18119, 21 a.a. ~ 120 a.a) partial recombinant protein with GST tag. The sequence is SSSAAASQGWVLPEGKIVPNTVFVGGIDARMDTEIGSCFGRYGSVKEVKIITNRTGVSK GYGFVSFVNDVDVQKIVGSIHFHGKCLKLGPARKQKLC
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol

<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DAZ1 deleted in azoospermia 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	DAZ1
<b>Synonyms</b>	DAZ1; deleted in azoospermia 1; DAZ; SPGY; deleted in azoospermia protein 1;
<b>Entrez Gene ID</b>	<a href="#">1617</a>
<b>Protein Refseq</b>	<a href="#">NP_004072</a>
<b>UniProt ID</b>	<a href="#">Q9NQZ3</a>
<b>Chromosome Location</b>	Yq11.223
<b>Function</b>	RNA binding; nucleotide binding; protein binding; translation activator activity