

Datasheet for ABIN951840
anti-DAZ4 antibody (Middle Region)

2 Images

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Overview

Quantity:	0.4 mL
Target:	DAZ4
Binding Specificity:	AA 89-120, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DAZ4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 89-120 amino acids from the Central region of Human DAZ4. Genename: DAZ4
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human DAZ4 (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	DAZ4
Alternative Name:	DAZ4 (DAZ4 Products)

Target Details

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
Molecular Weight:	64785 Da
Gene ID:	57135
NCBI Accession:	NP_001005375

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

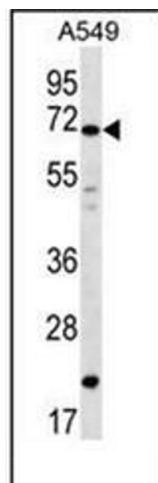
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin fixed, paraffin embedded human testis tissue stained with DAZ4 Antibody followed by peroxidase conjugation of the secondary antibody and DAB staining.



Western Blotting

Image 2. Western blot analysis of DAZ4 Antibody in A549 cell line lysates (35ug/lane). This demonstrates the DAZ4 antibody detected the DAZ4 protein (arrow).