


Product datasheet

Anti-DAZL antibody ab34139

★★★★☆ [11 Abreviews](#) [70 References](#) [8 Images](#)

Overview

Product name	Anti-DAZL antibody
Description	Rabbit polyclonal to DAZL
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF, WB
Species reactivity	Reacts with: Mouse, Human, Common marmoset Predicted to work with: Cow, Chimpanzee 
Immunogen	Synthetic peptide corresponding to Mouse DAZL aa 250 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab27733)
Positive control	ICC/IF: mES cells. IHC-P: Mouse, human and common marmoset testis tissue. WB: Human and mouse testis tissue lysate, GST tagged Recombinant Human DAZL protein (ab112279).
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

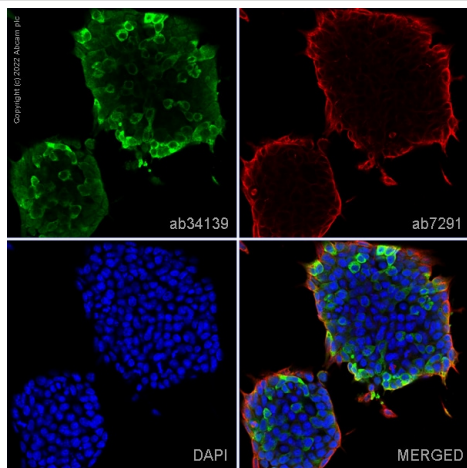
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab34139 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (6)	Use a concentration of 0.5 - 5 µg/ml.
ICC/IF	★★★★★ (1)	Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 33 kDa (predicted molecular weight: 33 kDa).

Target

Function	RNA-binding protein, which is essential for gametogenesis. Plays a central role during spermatogenesis. May act by binding to the 3'-UTR of mRNA and thereby regulating the translation of key transcripts.
Tissue specificity	Testis specific.
Sequence similarities	Belongs to the RRM DAZ family. Contains 1 DAZ-like domain. Contains 1 RRM (RNA recognition motif) domain.
Domain	The DAZ-like domain mediates the interaction with DAZAP1 and DAZAP2.
Cellular localization	Cytoplasm. Nucleus. Predominantly cytoplasmic (By similarity). Nuclear in spermatogonia until near the end of the meiotic prophase and cytoplasmic localization from then onward.

Images

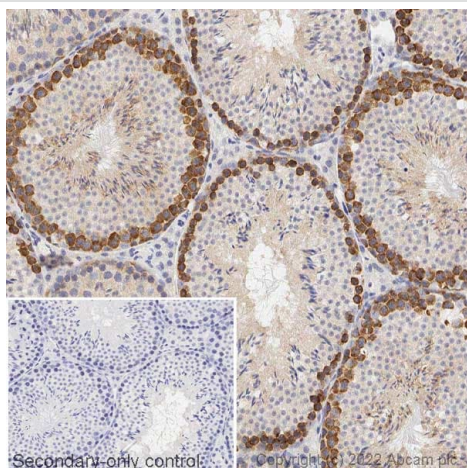


Immunocytochemistry/ Immunofluorescence - Anti-DAZL antibody (ab34139)

ab34139 staining DAZL in mES cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab34139 at 5µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Also suitable in cells fixed with 100% methanol (5 min).

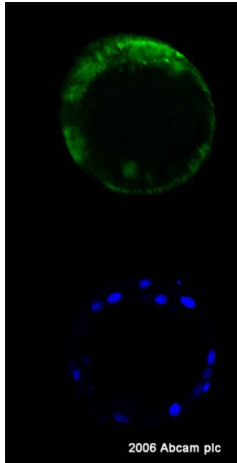
Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DAZL antibody (ab34139)

IHC image of DAZL staining in a section of formalin-fixed paraffin-embedded normal mouse testis performed on a Leica BOND™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab34139, 1ug/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset secondary-only control image is taken from an identical assay without primary antibody.

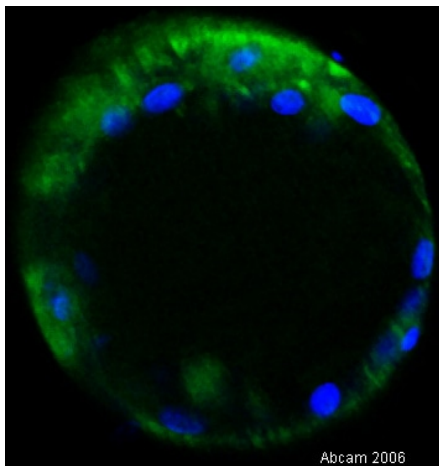
For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunocytochemistry/ Immunofluorescence - Anti-DAZL antibody (ab34139)

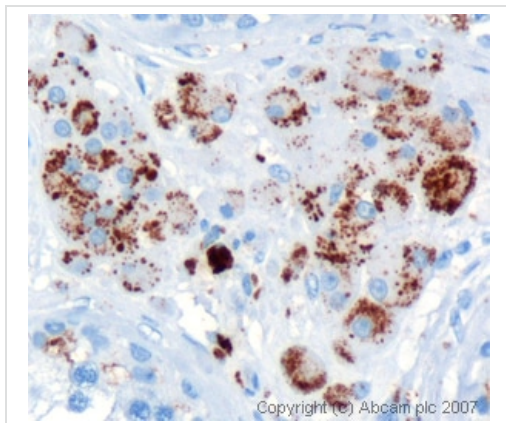
This image is courtesy of an Abreview submitted by Dr Sharon Sneddon

ab34139 at 1/100 staining human blastocyst cells by ICC/IF. The cells were paraformaldehyde fixed and blocked with 5% serum prior to incubation with the antibody for 18 hours. An Alexa-Fluor® 488 conjugated secondary antibody was used.



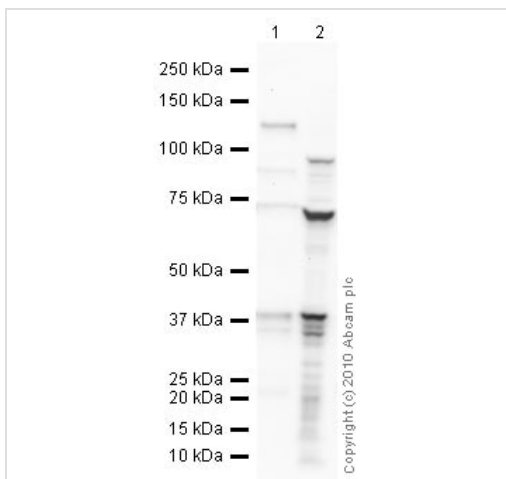
Immunocytochemistry/ Immunofluorescence - Anti-DAZL antibody (ab34139)

The image, submitted as part of an Abreview, shows DAZL staining (green) of a human blastocyst. The antibody stains the cytoplasm of cells of the inner cell mass and trophoblast. DAZL is known to be located to the cytoplasm and DAZL transcripts have previously been discovered in the inner cell mass and trophoblast (see PMID: 15879466).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DAZL antibody (ab34139)

The image shows staining of human testis tissue. The cytoplasm of Leydig cells and other cells in the seminiferous tubules stained positive. The antigen retrieval techniques used were Citrate at pH6 or Tris EDTA at pH9.



Western blot - Anti-DAZL antibody (ab34139)

All lanes : Anti-DAZL antibody (ab34139) at 1 µg/ml

Lane 1 : Human testis tissue lysate - total protein ([ab30257](#))

Lane 2 : Testis (Mouse) Tissue Lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

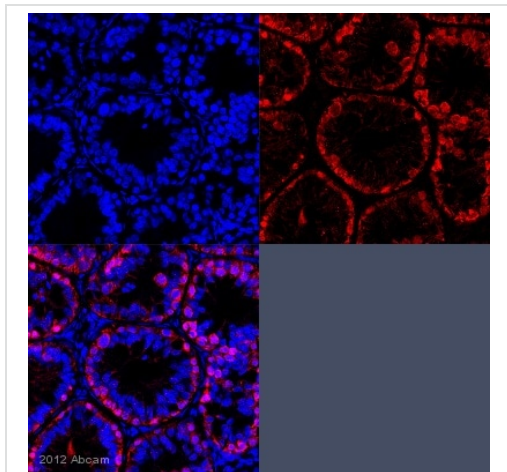
Performed under reducing conditions.

Predicted band size: 33 kDa

Observed band size: 37 kDa

Additional bands at: 130 kDa, 70 kDa, 95 kDa. We are unsure as to the identity of these extra bands.

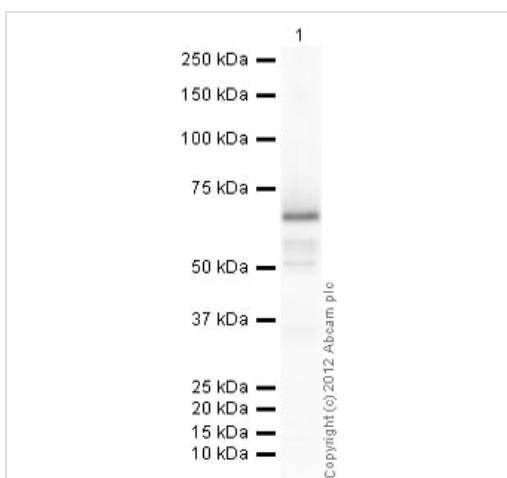
Exposure time: 2 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DAZL antibody (ab34139)

This image is taken from an abreview by Zachary Yu-Ching Lin.

Ab34139 staining DAZL on juvenile marmoset testes by immunohistochemistry. The tissue was paraformaldehyde fixed and blocked in 1% milk for 1 hour at 25°C. The primary antibody was diluted 1/100 and incubated with the sample for 9 hours at 4°C in 5% milk. An Alexa Fluor 555 conjugated goat anti-rabbit antibody was used as the secondary. Nuclear staining shown in blue with DAPI.



Western blot - Anti-DAZL antibody (ab34139)

Anti-DAZL antibody (ab34139) at 1 µg/ml + GST tagged Recombinant Human DAZL protein ([ab112279](#)) at 0.1 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 33 kDa

Exposure time: 10 seconds

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