


# Anti-GAPDS antibody ab153802

[6 References](#) [5 Images](#)

### Overview

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<b>Product name</b>	Anti-GAPDS antibody
<b>Description</b>	Rabbit polyclonal to GAPDS
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Cow 
<b>Immunogen</b>	Recombinant fragment corresponding to Human GAPDS aa 161-391. Database link: <a href="#">O14556</a>
<b>Positive control</b>	ICC/IF: MCF7 cells WB: NIH/3T3, MCF7 cells, mouse testis extract. IHC-P: Human gastric cancer tissue.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab153802 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
WB		1/500 - 1/10000. Predicted molecular weight: 45 kDa.
ICC/IF		1/100 - 1/1000.
IHC-P		1/100 - 1/1000.

## Target

### Function

May play an important role in regulating the switch between different pathways for energy production during spermiogenesis and in the spermatozoon. Required for sperm motility and male fertility.

### Tissue specificity

Testis specific.

### Pathway

Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 1/5.

### Sequence similarities

Belongs to the glyceraldehyde-3-phosphate dehydrogenase family.

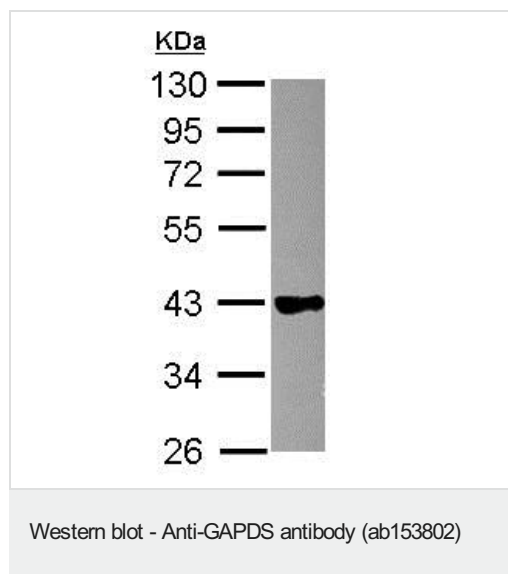
### Domain

The testis-specific N-terminal extension mediates tight association with the cytoskeletal fibrous sheath of the spermatozoa flagellum, possibly via interchain disulfide-bonding of Cys-21 with sheath components.

### Cellular localization

Cytoplasm.

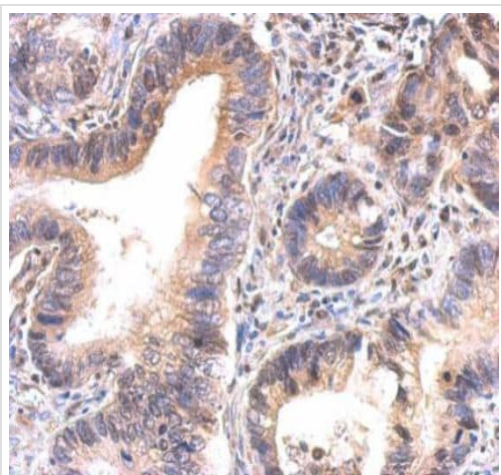
## Images



Anti-GAPDS antibody (ab153802) at 1/1000 dilution + MCF7 whole cell lysate at 30 µg

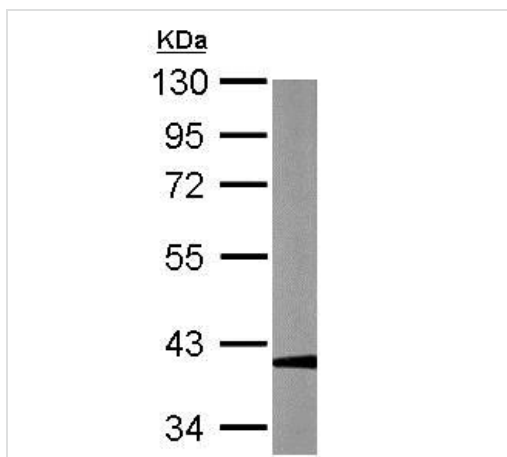
**Predicted band size:** 45 kDa

10% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GAPDS antibody (ab153802)

Paraffin embedded human gastric cancer tissue stained for GAPDHS using ab153802 at 1/500 dilution in immunohistochemical analysis.

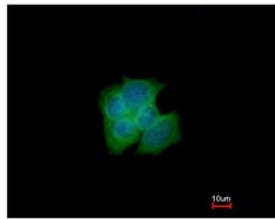
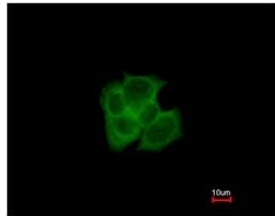


Western blot - Anti-GAPDS antibody (ab153802)

Anti-GAPDS antibody (ab153802) at 1/5000 dilution + NIH/3T3 whole cell lysate at 30  $\mu$ g

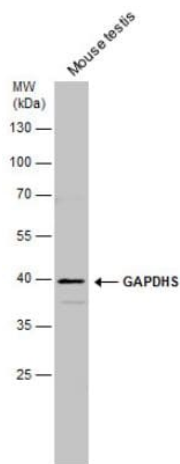
**Predicted band size:** 45 kDa

10% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-GAPDS antibody (ab153802)

Immunofluorescent analysis of methanol-fixed MCF7 cells labeling GAPDS with ab153802 at 1/200 dilution. Lower panel co-stained with Hoechst 33342.



Western blot - Anti-GAPDS antibody (ab153802)

Anti-GAPDS antibody (ab153802) at 1/500 dilution + Mouse testis tissue extract at 50 µg

**Predicted band size:** 45 kDa

10% SDS-PAGE

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