abcam

ab185541

Anti-ZFY antibody [EPR11074]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR11074
Purification technique	Affinity purification Protein A
Specificity	ab185541 may cross-react with ZFX based on homology search showing these proteins (ZFX and ZFY) are 96% identical.
Concentration	1.187 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Human
Dilution info	1/1000 - 1/10000

Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/220
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information ZFY

Function	Probable transcriptional activator. Binds to the consensus sequence 5'-AGGCCY-3'.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C

Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	The ZFY protein also known as Zinc Finger Protein Y-linked is a transcription factor with a mass of approximately 69 kDa. It originates from the Y chromosome and is expressed mainly in male-specific tissues such as the testes. The protein contains C2H2-type zinc finger domains which facilitate its ability to bind DNA and modulate the transcription of specific genes. Its positioning on the Y chromosome links it directly to male-related biological processes.
Biological function summary	ZFY influences gene expression by binding to specific DNA sequences which impacts cellular development and differentiation. As a transcription factor it often works alone rather than as part of a larger complex. In certain contexts it plays a role in male sex determination and spermatogenesis suggesting its importance in regulating genes important for male germ cell development.
Pathways	ZFY plays a significant role in the sex differentiation pathway and spermatogenesis pathway. It interacts with other Y chromosome-encoded proteins like SRY which is important for initiating male sex determination. Moreover juxtaposing proteins such as SOX9 also engage in the pathways where ZFY exerts influence although ZFY mainly functions independently.
Associated diseases and disorders	ZFY has connections with infertility in males and certain sex chromosome disorders. Researchers link defects or aberrant expression of ZFY to male infertility due to its critical role in spermatogenesis. Additionally it associates with Turner’s

syndrome when aberrations in its expression occur highlighting its interaction with other Y chromosome-related proteins including TSPY.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

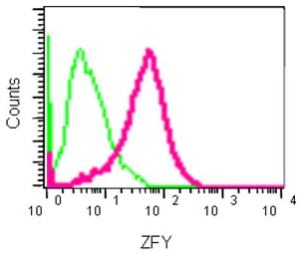
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

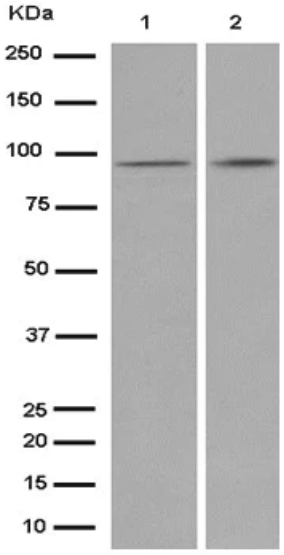
3 product images



Flow Cytometry (Intracellular) - Anti-ZFY antibody [EPR11074] (ab185541)

ZFY Flow Cytometry (Intracellular) staining using rabbit Anti-ZFY antibody

Intracellular Flow Cytometry analysis of 2% paraformaldehyde fixed HepG2 cells labeling ZFY with ab185541 at 1/220 dilution (pink) or a rabbit IgG isotype control (green), followed by secondary Goat anti rabbit IgG (FITC) at 1/150 dilution.



Western blot - Anti-ZFY antibody [EPR11074] (ab185541)

All lanes:
Western blot - Anti-ZFY antibody [EPR11074] (ab185541) at 1/1000 dilution

Lane 1:
Jurkat lysate at 10 µg

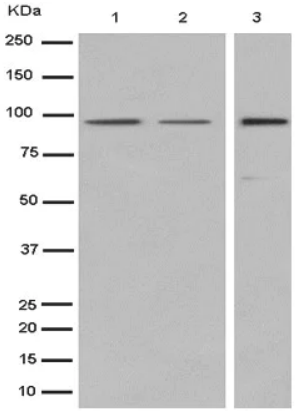
Lane 2:
Human fetal brain lysate at 10 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 90 kDa

Observed band size: 91 kDa



Western blot - Anti-ZFY antibody [EPR11074] (ab185541)

All lanes:
Western blot - Anti-ZFY antibody [EPR11074] (ab185541) at 1/5000 dilution

Lane 1:
293T cell lysate at 10 µg

Lane 2:
A549 cell lysate at 10 µg

Lane 3:
HepG2 cell lysate at 10 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 90 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.