

Product datasheet

Anti-SP17 antibody [EP6496] ab172626

Recombinant RabMAb

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

Overview

Product name	Anti-SP17 antibody [EP6496]
Description	Rabbit monoclonal [EP6496] to SP17
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), ICC/IF, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human SP17 aa 1-100. The exact sequence is proprietary. Database link: Q15506
Positive control	WB: Human, mouse and rat testis lysate Flow Cyt (intra): Jurkat cells ICC/IF: Jurkat and K-562 cells
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <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 long term. Avoid freeze / thaw cycle.

Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP6496
Isotype	IgG

Applications

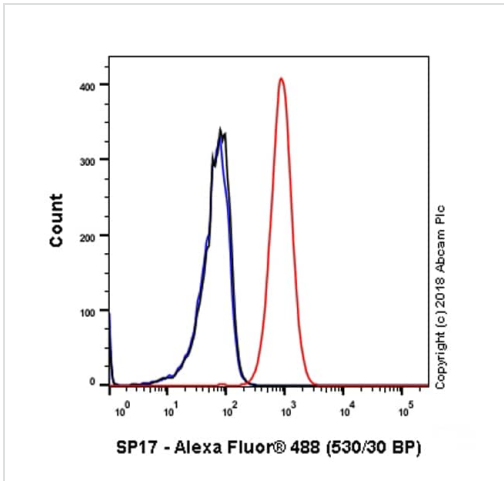
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab172626 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/100.
ICC/IF		1/100 - 1/250.
WB		1/1000 - 1/10000. Predicted molecular weight: 17 kDa.

Target

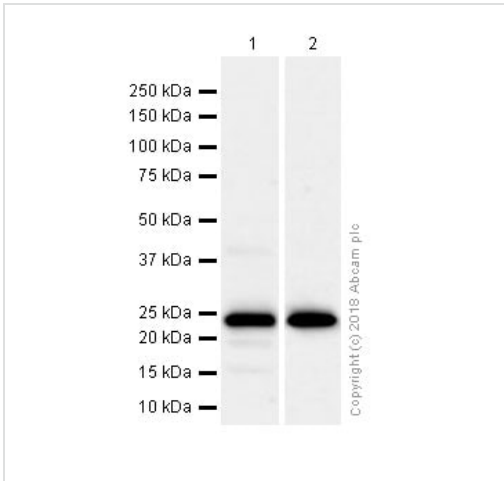
Function	Sperm surface zona pellucida binding protein. Helps to bind spermatozoa to the zona pellucida with high affinity. Might function in binding zona pellucida and carbohydrates.
Tissue specificity	Testis and sperm specific.
Sequence similarities	Contains 1 IQ domain.
Cellular localization	Membrane.

Images



Flow Cytometry (Intracellular) - Anti-SP17 antibody [EP6496] (ab172626)

Intracellular Flow Cytometry analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling SP17 with purified ab172626 at 1/100 dilution (10µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Western blot - Anti-SP17 antibody [EP6496] (ab172626)

All lanes : Anti-SP17 antibody [EP6496] (ab172626) at 1/1000 dilution (Purified)

Lane 1 : Rat testis lysates

Lane 2 : Mouse testis lysates

Lysates/proteins at 15 µg per lane.

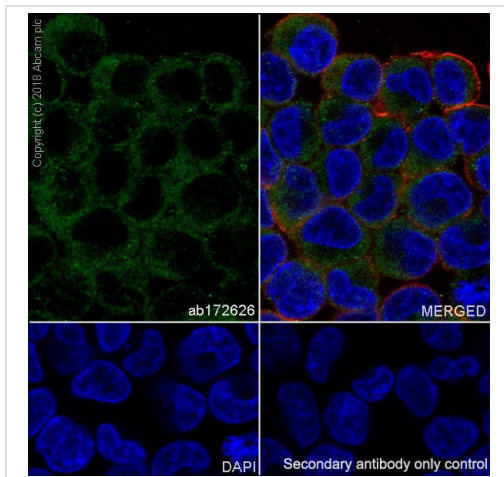
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 17 kDa

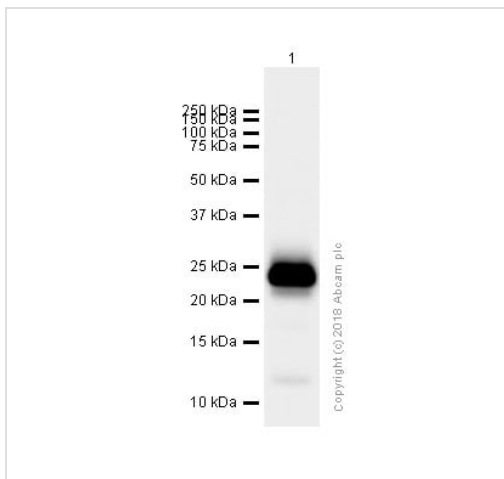
Observed band size: 22-24 kDa

SP17 is triplet protein what have been described in the literature PMID: 9986726.



Immunocytochemistry/ Immunofluorescence - Anti-SP17 antibody [EP6496] (ab172626)

Immunocytochemistry/ Immunofluorescence analysis of K-562 (Human chronic myelogenous leukemia lymphoblast) cells labeling SP17 with purified ab172626 at 1/100 dilution (10 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-SP17 antibody [EP6496] (ab172626)

Anti-SP17 antibody [EP6496] (ab172626) at 1/1000 dilution (Purified) + Human testis lysates at 15 µg

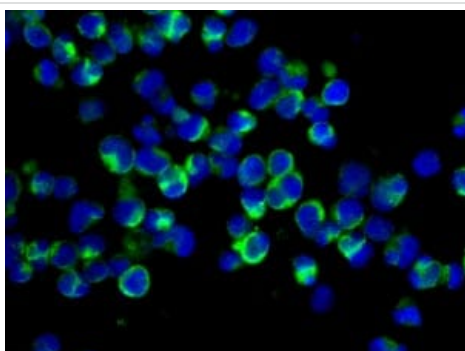
Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 17 kDa

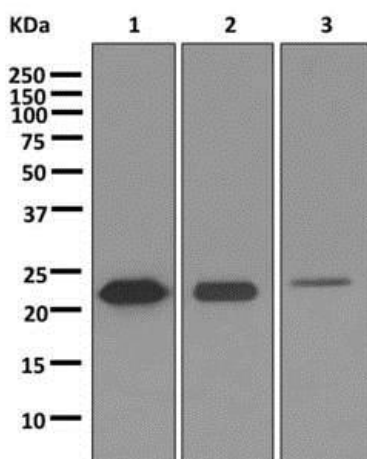
Observed band size: 22-24 kDa

SP17 is triplet protein what have been described in the literature PMID: 9986726.



Immunocytochemistry/ Immunofluorescence - Anti-SP17 antibody [EP6496] (ab172626)

Immunofluorescence analysis of Jurkat cells staining SP17 with ab172626 (unpurified) at 1/100 dilution (green). DAPI nuclear staining (blue).



Western blot - Anti-SP17 antibody [EP6496] (ab172626)

All lanes : Anti-SP17 antibody [EP6496] (ab172626) at 1/1000 dilution (unpurified)

Lane 1 : Mouse testis lysate

Lane 2 : Rat testis lysate

Lane 3 : Human testis lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 17 kDa

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