

## Product datasheet

# Anti-ZBTB46 antibody [PCRP-ZBTB46-2B8] - BSA and Azide free ab277116

[3 Images](#)

### Overview

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|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-ZBTB46 antibody [PCRP-ZBTB46-2B8] - BSA and Azide free   |
| <b>Description</b>         | Mouse monoclonal [PCRP-ZBTB46-2B8] to ZBTB46 - BSA and Azide free   |
| <b>Host species</b>        | Mouse   |
| <b>Tested applications</b> | <b>Suitable for:</b> Protein Array, Flow Cyt, IHC-P   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Mouse, Rat    |
| <b>Immunogen</b>           | Recombinant full length protein corresponding to Human ZBTB46 aa 1-589.<br>Database link: <a href="#">Q86UZ6</a>  |
| <b>Positive control</b>    | Flow cyt: HeLa cells. IHC-P: Human tonsil tissue.   |
| <b>General notes</b>       | <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as 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.       |
| <b>Storage buffer</b>       | Constituent: 100% PBS                |
| <b>Carrier free</b>         | Yes                                  |
| <b>Purity</b>               | Protein A/G purified                 |
| <b>Purification notes</b>   | Purified from bioreactor concentrate |
| <b>Clonality</b>            | Monoclonal                           |
| <b>Clone number</b>         | PCRP-ZBTB46-2B8                      |
| <b>Isotype</b>              | IgG2a                                |

## Applications

Our [Abpromise guarantee](#) covers the use of **ab277116** in the following tested applications.

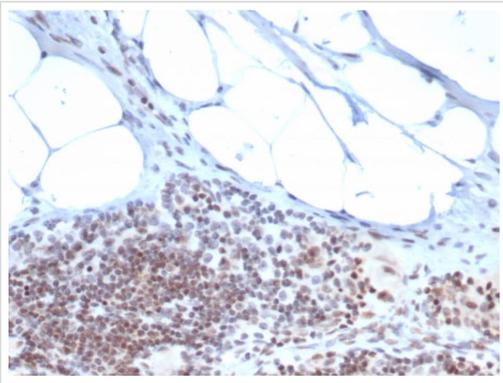
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application   | Abreviews | Notes   |
|---------------|-----------|---|
| Protein Array |           | Use at an assay dependent concentration.  |
| Flow Cyt      |           | Use at an assay dependent concentration.  |
| IHC-P         |           | Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |

## Target

|                              |  |
|------------------------------|--|
| <b>Relevance</b>             | ZBTB46 may be involved in transcriptional regulation. It contains one BTB (POZ) domain and two C2H2 type zinc fingers. |
| <b>Cellular localization</b> | Nucleus  |

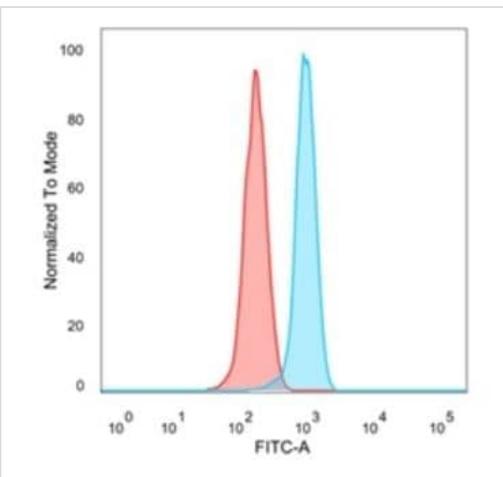
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ZBTB46 antibody [PCRP-ZBTB46-2B8] (ab277116)

This data was developed using [ab277100](#), the same antibody clone in a different buffer formulation.

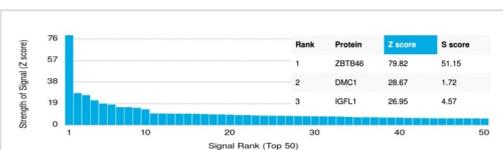
Paraffin embedded human tonsil tissue stained for ZBTB46 using [ab277100](#) at 2 µg/ml in immunohistochemical analysis.



Flow Cytometry - Anti-ZBTB46 antibody [PCRP-ZBTB46-2B8] (ab277116)

This data was developed using [ab277100](#), the same antibody clone in a different buffer formulation.

Flow cytometry analysis of PFA-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling ZBTB46 using [ab277100](#) at 2 µg/10<sup>6</sup> cells followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



Protein Array - Anti-ZBTB46 antibody [PCRP-ZBTB46-2B8] (ab277116)

This data was developed using [ab277100](#), the same antibody clone in a different buffer formulation.

Analysis of Protein Array containing more than 19,000 full-length human proteins using [ab277100](#).

Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a

MAB binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAB to protein X is equal to 29.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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