

## Datasheet: VPA00666KT

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| <b>Description:</b>  | ATF3 ANTIBODY WITH CONTROL LYSATE |
| <b>Specificity:</b>  | ATF3                              |
| <b>Format:</b>       | Purified                          |
| <b>Product Type:</b> | PrecisionAb™ Polyclonal           |
| <b>Isotype:</b>      | Polyclonal IgG                    |
| <b>Quantity:</b>     | 2 Westerns                        |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                  | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪   |    |                | 1/1000             |

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

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| <b>Target Species</b>           | Human   |
| <b>Species Cross Reactivity</b> | Reacts with: Mouse<br><b>N.B.</b> Antibody reactivity and working conditions may vary between species.  |
| <b>Product Form</b>             | Purified IgG - liquid   |
| <b>Preparation</b>              | 20µl Rabbit polyclonal antibody purified by affinity chromatography   |
| <b>Buffer Solution</b>          | Phosphate buffered saline   |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide<br>2% Sucrose  |
| <b>Immunogen</b>                | Synthetic peptide encompassing part of the middle region of human ATF3  |
| <b>External Database Links</b>  | <p><b>UniProt:</b><br/> <a href="#">P18847</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">467</a>   ATF3   <a href="#">Related reagents</a></p> |

**Specificity**      **Rabbit anti Human ATF3 antibody** recognizes cyclic AMP-dependent transcription factor ATF3 or cyclic AMP-dependent transcription factor ATF-3.

The ATF3 gene encodes a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. ATF3 is induced by a variety of signals, including many of those encountered by cancer cells, and is involved in the complex process of cellular stress response. Multiple transcript variants encoding different isoforms have been found for ATF3. It is possible that alternative splicing of ATF3 may be physiologically important in the regulation of target genes (provided by RefSeq, Apr 2011).

Rabbit anti Human ATF3 antibody detects a band of 21 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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| <b>Western Blotting</b> | Rabbit anti ATF3 detects a band of approximately 21 kDa in Jurkat cell lysates |
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| <b>Instructions For Use</b> | Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page. |
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| <b>Lysate Composition</b> | 400µg Jurkat lysate lyophilized in RIPA buffer. |
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| <b>Lysate Reconstitution</b> | - If using DDT reconstitute the lyophilized lysate with 190µl DI H <sub>2</sub> O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.<br>- If using BME reconstitute the lyophilized lysate with 180µl DI H <sub>2</sub> O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.<br>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol. |
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| <b>Storage</b> | Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.<br><br>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage. |
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| <b>Shelf Life</b> | As supplied, 12 months from date of despatch |
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| <b>Acknowledgements</b> | PrecisionAb™ is a trademark of Bio-Rad Laboratories |
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| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10045 #10561 available at:<br>Antibody (10045): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf</a><br>Lysate Material (10561): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</a> |
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| <b>Regulatory</b> | For research purposes only |
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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