# Datasheet: AHP2635

| | |
|---|---|
| **Description:** | RABBIT ANTI IKK (pThr23) |
| **Specificity:** | IKK (pThr23) |
| **Format:** | Purified |
| **Product Type:** | Polyclonal Antibody |
| **Isotype:** | Polyclonal IgG |
| **Quantity:** | 50 µl |

## 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.

| | Yes | No | Not Determined | Suggested Dilution |
|---|---|---|---|---|
| Immunohistology - Paraffin | ▪ | | | 1/50 - 1/100 |
| Western Blotting | ▪ | | | 1/500 - 1/2000 |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**Target Species**

Human

**Species Cross Reactivity**

Based on sequence similarity, is expected to react with:Mouse, Rat
**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

**Product Form**

Purified IgG - liquid

**Antiserum Preparation**

Antiserum to IKK (pThr23) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.02% Sodium Azide
50% Glycerol

**Immunogen**

Phospho specific-peptide corresponding to residues surrounding threonine 23 of human

| | |
|---|---|
| | IKK |
| **External Database Links** | **UniProt:**<br>O15111 Related reagents<br><br>**Entrez Gene:**<br>1147 CHUK Related reagents |
| **Synonyms** | IKKA, TCF16 |
| **Specificity** | **Rabbit anti IKK (pThr23) antibody** recognizes IKK, also known as inhibitor of nuclear factor kappa-B kinase subunit alpha, conserved helix-loop-helix ubiquitous kinase, nuclear factor NF-kappa-B inhibitor kinase alpha or transcription factor 16, when phosphorylated at threonine 23.<br><br>IKK is a cytoplasmic and nuclear serine kinase playing an essential role in the NFκB signaling pathway. IKK is phosphorylated at threonine 23 by Akt, inducing its activity (Choi *et al.* 2016). |
| **Further Reading** | 1. Choi, Y.J. *et al.* (2016) The underlying mechanism of proinflammatory NF-κB activation by the mTORC2/Akt/IKKα pathway during skin aging. Oncotarget. 7 (33): 52685-94. |
| **Storage** | Store at -20°C<br>Storage in frost-free freezers is not recommended.<br>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |
| **Guarantee** | 12 months from date of despatch |
| **Health And Safety Information** | Material Safety Datasheet documentation #10049 available at:<br>10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf |
| **Regulatory** | For research purposes only |

## Related Products

### Recommended Secondary Antibodies

| | |
|---|---|
| Sheep Anti Rabbit IgG (STAR34...) | FITC |
| Sheep Anti Rabbit IgG (STAR35...) | RPE |
| Goat Anti Rabbit IgG (H/L) (STAR124...) | HRP |
| Goat Anti Rabbit IgG (Fc) (STAR121...) | Biotin, FITC, HRP |

### Recommended Useful Reagents

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

**North & South America**
Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

**Worldwide**
Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

**Europe**
Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

'M393441:211222'

**Printed on 06 Mar 2022**