

## Datasheet: AHP1610

|                      |                              |
|----------------------|------------------------------|
| <b>Description:</b>  | RABBIT ANTI NAK (C-TERMINAL) |
| <b>Specificity:</b>  | NAK (C-TERMINAL)             |
| <b>Other names:</b>  | TBK1                         |
| <b>Format:</b>       | Purified                     |
| <b>Product Type:</b> | Polyclonal Antibody          |
| <b>Isotype:</b>      | Polyclonal IgG               |
| <b>Quantity:</b>     | 0.1 mg                       |

## 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 |
|--------------------------|-----|----|----------------|--------------------|
| Immunohistology - Frozen | ▪   |    |                | 10ug/ml            |
| Western Blotting         | ▪   |    |                | 0.5 - 1.0ug/ml     |
| Immunocytochemistry      | ▪   |    |                |                    |

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

Reacts 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 human NAK was raised by repeated immunisation 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 (NaN<sub>3</sub>)

|                                       |  |
|---------------------------------------|--|
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5mg/ml   |
| <b>Immunogen</b>                      | A peptide corresponding to 17 amino acids near the carboxy terminus of human NAK.  |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">Q9UHD2</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">29110</a> TBK1    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                       | NAK  |
| <b>RRID</b>                           | AB_2199563   |
| <b>Specificity</b>                    | <p><b>Rabbit anti NAK (C-Terminal) antibody</b> recognizes human NF-kB-activating kinase (NAK), otherwise known as TANK-binding kinase 1 (TBK1). It is involved in the signalling cascade of NF-kB activation by directly phosphorylating and activating IKK Beta. It also mediates the production of IFN Beta and CCL5 and plays a key role in the innate immune response. In addition, it phosphorylates and activates the interferon regulatory factors -3 and -7, eventually leading to the development of a cellular antiviral state. It may also be involved in the induction of the antiviral interferon response. NAK is expressed ubiquitously, with higher expression in testis.</p> <p>Rabbit anti NAK (C-Terminal) antibody does not cross-react with IKK Alpha, IKK Beta, IKK Gamma or IKK Epsilon.</p> |
| <b>Western Blotting</b>               | AHP1610 detects a band of approximately 84kDa in MOLT4 cell lysates.   |
| <b>Storage</b>                        | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>   |
| <b>Guarantee</b>                      | 18 months from date of despatch.   |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>  |
| <b>Regulatory</b>                     | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

## Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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

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'M337727:181217'

**Printed on 10 Feb 2021**

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