

Product datasheet

NAK/TBK1 (phospho S172) peptide **ab206124**

[1 Image](#)

Description

Product name	NAK/TBK1 (phospho S172) peptide
Accession	<u>Q9UHD2</u>
Animal free	No
Nature	Synthetic
Modifications	phospho S172

Specifications

Our **Abpromise guarantee** covers the use of **ab206124** in the following tested applications.

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

Applications	Blocking - Blocking peptide for Anti-NAK/TBK1 (phospho S172) antibody [EPR2867(2)] (<u>ab109272</u>)
Form	Liquid
Additional notes	<p>This is the blocking peptide for <u>ab109272</u></p> <ul style="list-style-type: none"> - First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions. - If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer. - Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent. - Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised. - Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.

Preparation and Storage





Stability and Storage	Shipped at 4°C. Store at -20°C.
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General Info

Function	Serine/threonine protein involved in the signaling cascade converging to the activation of the transcription factor NF-kappa-B. May function as an IKK kinase, playing an essential role in the transcription of a subset of TNF-alpha-induced genes. Also mediates production of RANTES/CCL5 and interferon-beta/IFNB1. Has a pivotal role in the innate immune response. Phosphorylates Borna disease virus (BDV) P protein. Phosphorylates and activates IRF3 and IRF7 and allows their nuclear localization. This leads to production of alpha/beta interferons and the development of a cellular antiviral state. It also seems to be a central factor in the induction of the antiviral interferon response. Inhibition of its interaction with IRF3, due to HCV NS3 binding or BDV P protein seems to be one mechanism of inhibition of the innate immune responses of hepatitis C virus (HCV) infection or Borna disease virus infection respectively.
Tissue specificity	Ubiquitous with higher expression in testis.
Sequence similarities	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. I-kappa-B kinase subfamily. Contains 1 protein kinase domain.
Cellular localization	Cytoplasm.

Images

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NAK/TBK1 (phospho S172) peptide (ab206124)

To learn more about our protein and peptide range click [here](#).

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