


Product datasheet

Anti-NEK1 antibody - N-terminal ab228664

1 Image

Overview

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<b>Product name</b>	Anti-NEK1 antibody - N-terminal
<b>Description</b>	Rabbit polyclonal to NEK1 - N-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Recombinant fragment within Human NEK1 (N terminal). The exact sequence is proprietary. Database link: <a href="#">Q96PY6</a>
<b>Positive control</b>	ICC/IF: Jurkat cells.
<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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 79.99% PBS, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab228664** in the following tested applications.

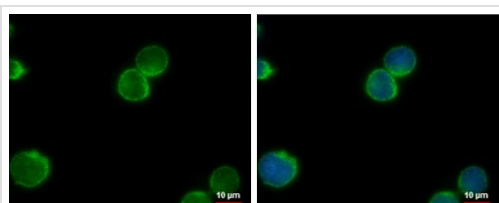
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100 - 1/1000.

## Target

<b>Function</b>	Phosphorylates serines and threonines, but also appears to possess tyrosine kinase activity. Implicated in the control of meiosis (By similarity). Involved in cilium assembly. In response to injury that includes DNA damage, NEK1 phosphorylates VDAC1 to limit mitochondrial cell death.
<b>Tissue specificity</b>	High fetal expression in the brain and kidney.
<b>Involvement in disease</b>	Short-rib thoracic dysplasia 6 with or without polydactyly
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA subfamily. Contains 1 protein kinase domain.
<b>Cellular localization</b>	Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Associated with the pericentriolar material. Localizes to centrosome during interphase and mitosis (By similarity).

## Images



4% paraformaldehyde-fixed Jurkat (human T cell leukemia cell line from peripheral blood) cells stained for NEK1 (green) using ab228664 at 1/500 dilution in ICC/IF.

Nuclear counterstain: Hoechst 33342 (blue).

Immunocytochemistry/ Immunofluorescence - Anti-NEK1 antibody - N-terminal (ab228664)

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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