

## Product datasheet

# Anti-NKIRAS1 antibody [ABM17B5] ab228443

1 Image

### Overview

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<b>Product name</b>	Anti-NKIRAS1 antibody [ABM17B5]
<b>Description</b>	Mouse monoclonal [ABM17B5] to NKIRAS1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human NKIRAS1 aa 50 to the C-terminus. Database link: <a href="#">Q9NYS0</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Jurkat, HepG2 and HeLa cell lysates.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, 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>	Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	ABM17B5
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab228443 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
WB		Use a concentration of 6 - 8 µg/ml. Predicted molecular weight: 22 kDa.

## Target

### Function

Atypical Ras-like protein that acts as a potent regulator of NF-kappa-B activity by preventing the degradation of NF-kappa-B inhibitor beta (NFKBIB) by most signals, explaining why NFKBIB is more resistant to degradation. May act by blocking phosphorylation of NFKBIB and mediating cytoplasmic retention of p65/RELA NF-kappa-B subunit. It is unclear whether it acts as a GTPase. Both GTP- and GDP-bound forms block phosphorylation of NFKBIB.

### Tissue specificity

Widely expressed.

### Sequence similarities

Belongs to the small GTPase superfamily. Ras family. KappaB-Ras subfamily.

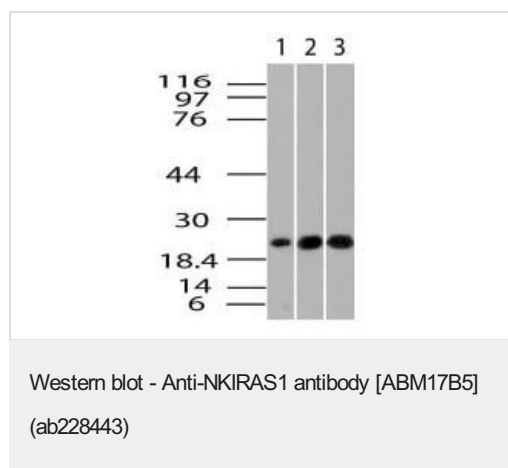
### Domain

In contrast to other members of the Ras family, the members of the KappaB-Ras subfamily do not contain the conserved Gly and Gln residues in positions 13 and 65, which are replaced by Leu residues, and are therefore similar to the constitutively active forms of oncogenic forms of Ras. This suggests that members of this family are clearly different from other small GTPases proteins.

### Cellular localization

Cytoplasm.

## Images



**All lanes :** Anti-NKIRAS1 antibody [ABM17B5] (ab228443) at 6 µg/ml

**Lane 1 :** Jurkat (human T cell leukemia cell line from peripheral blood) cell lysate

**Lane 2 :** HepG2 (human liver hepatocellular carcinoma cell line) cell lysate

**Lane 3 :** HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate

**Predicted band size:** 22 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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