

## Product datasheet

### Anti-HEC1/HEC antibody ab186839

[1 References](#) [1 Image](#)

#### Overview

<b>Product name</b>	Anti-HEC1/HEC antibody
<b>Description</b>	Rabbit polyclonal to HEC1/HEC
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human HEC1/HEC. Database link: <a href="#">O14777</a>
<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

<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: 7.30 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab186839 in the following tested applications.

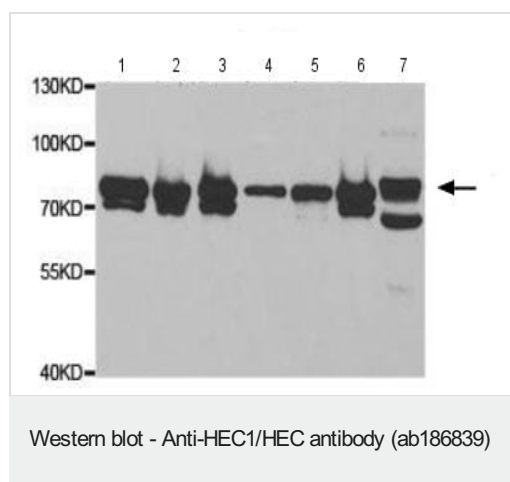
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 74 kDa.

## Target

<b>Function</b>	Acts as a component of the essential kinetochore-associated NDC80 complex, which is required for chromosome segregation and spindle checkpoint activity. Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore.
<b>Sequence similarities</b>	Belongs to the NDC80/HEC1 family.
<b>Developmental stage</b>	Expression peaks in mitosis.
<b>Post-translational modifications</b>	Phosphorylation begins in S phase of the cell cycle and peaks in mitosis. Phosphorylated by NEK2. May also be phosphorylated by AURKA and AURKB.
<b>Cellular localization</b>	Nucleus. Chromosome > centromere > kinetochore. Localizes to kinetochores from late prophase to anaphase. Localizes specifically to the outer plate of the kinetochore.

## Images



**All lanes :** Anti-HEC1/HEC antibody (ab186839) at 1/500 dilution

**Lane 1 :** K562 cell lysate

**Lane 2 :** LOVO cell lysate

**Lane 3 :** MCF7 cell lysate

**Lane 4 :** 22RV-1 cell lysate

**Lane 5 :** 293T cell lysate

**Lane 6 :** mouse testis lysate

**Lane 7 :** THP1 cell lysate

**Predicted band size:** 74 kDa

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

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