

Datasheet: VPA00689KT

Description:	HEC1 ANTIBODY WITH CONTROL LYSATE
Specificity:	HEC1
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

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.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	20µl Rabbit polyclonal antibody purified by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	KLH conjugated synthetic peptide encompassing part of human HEC1 (amino acids 594 - 628)
External Database Links	UniProt: O14777 Related reagents

Entrez Gene:

[10403](#) NDC80 [Related reagents](#)

Synonyms	HEC, HEC1, KNTC2
-----------------	------------------

Specificity	<p>Rabbit anti Human HEC1 antibody recognizes the kinetochore protein NDC80 homolog, also known as kinetochore complex component, HEC1, kinetochore associated 2, kinetochore protein Hec1 or retinoblastoma-associated protein HEC.</p> <p>The NDC80 gene encodes a component of the NDC80 kinetochore complex. The encoded protein consists of an N-terminal microtubule binding domain and a C-terminal coiled-coiled domain that interacts with other components of the complex. This protein functions to organize and stabilize microtubule-kinetochore interactions and is required for proper chromosome segregation. (provided by RefSeq, Oct 2011).</p> <p>Rabbit anti Human HEC1 antibody detects a band of 76 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
--------------------	--

Western Blotting	Rabbit anti HEC1 detects a band of approximately 76 kDa in Jurkat cell lysates
-------------------------	--

Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
-----------------------------	---

Lysate Composition	400µg Jurkat lysate lyophilized in RIPA buffer.
---------------------------	---

Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
------------------------------	--

Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
----------------	--

Guarantee	As supplied, 12 months from date of despatch
------------------	--

Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories
-------------------------	---

Health And Safety Information	Material Safety Datasheet documentation #10040 #10561 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf
--------------------------------------	--

Regulatory	For research purposes only
-------------------	----------------------------

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

From March 15, 2021, we will no longer supply printed datasheets with our products.
Look out for updates on how to access your digital version at bio-rad-antibodies.com

'M351153:190315'

Printed on 10 Feb 2021

© 2021 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)