

## Datasheet: VPA00689

|                      |                         |
|----------------------|-------------------------|
| <b>Description:</b>  | RABBIT ANTI HEC1        |
| <b>Specificity:</b>  | HEC1                    |
| <b>Format:</b>       | Purified                |
| <b>Product Type:</b> | PrecisionAb™ Polyclonal |
| <b>Isotype:</b>      | Polyclonal IgG          |
| <b>Quantity:</b>     | 100 µl                  |

## 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](http://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.

|                                 |                                                                                                                                                                                                                                          |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>           | Human                                                                                                                                                                                                                                    |
| <b>Product Form</b>             | Purified IgG - liquid                                                                                                                                                                                                                    |
| <b>Preparation</b>              | Rabbit polyclonal antibody purified by affinity chromatography on Protein A                                                                                                                                                              |
| <b>Buffer Solution</b>          | Phosphate buffered saline                                                                                                                                                                                                                |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide                                                                                                                                                                                                                       |
| <b>Immunogen</b>                | KLH conjugated synthetic peptide encompassing part of human HEC1 (amino acids 594 - 628)                                                                                                                                                 |
| <b>External Database Links</b>  | <p><b>UniProt:</b><br/> <a href="#">O14777</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">10403</a>    NDC80    <a href="#">Related reagents</a></p>                                                |
| <b>Synonyms</b>                 | HEC, HEC1, KNTC2                                                                                                                                                                                                                         |
| <b>Specificity</b>              | <b>Rabbit anti Human HEC1 antibody</b> recognizes the kinetochore protein NDC80 homolog, also known as kinetochore complex component, HEC1, kinetochore associated 2, kinetochore protein Hec1 or retinoblastoma-associated protein HEC. |

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).

Rabbit anti Human HEC1 antibody detects a band of 76 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

|                                      |                                                                                                                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Western Blotting</b>              | Rabbit anti HEC1 detects a band of approximately 76 kDa in Jurkat cell lysates                                                                                                                                      |
| <b>Instructions For Use</b>          | Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.                                       |
| <b>Storage</b>                       | Store undiluted at -20°C, avoiding repeated freeze thaw cycles.                                                                                                                                                     |
| <b>Shelf Life</b>                    | As supplied, 12 months from date of despatch.                                                                                                                                                                       |
| <b>Acknowledgements</b>              | PrecisionAb™ is a trademark of Bio-Rad Laboratories.                                                                                                                                                                |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at:<br>Antibody (10040): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a> |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                          |

## Related Products

### Recommended Secondary Antibodies

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

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
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