

## Datasheet: VMA00360

<b>Description:</b>	MOUSE ANTI CUL4B
<b>Specificity:</b>	CUL4B
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Monoclonal
<b>Clone:</b>	OT11C4
<b>Isotype:</b>	IgG2b
<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>	Mouse monoclonal antibody purified by affinity chromatography from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Recombinant protein fragment corresponding to aa 1-300 of human CUL4B (NP_003579) produced in <i>E.coli</i>
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q13620</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">8450</a> CUL4B <a href="#">Related reagents</a>
<b>Synonyms</b>	KIAA0695

**Specificity**      **Mouse anti Human CUL4B antibody** recognizes CUL4B, also known as cullin-4B.

CUL4B is a member of the cullin family. Encoded by the CUL4B gene, cullin-4B forms a complex that functions as an E3 ubiquitin ligase and catalyzes the polyubiquitination of specific protein substrates in the cell. The protein interacts with a ring finger protein, and is required for the proteolysis of several regulators of DNA replication including chromatin licensing and DNA replication factor 1 and cyclin E. Multiple transcript variants encoding different isoforms have been found for CUL4B (provided by RefSeq, Jul 2008).

Mouse anti Human CUL4B antibody detects a band of 104 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**      Anti CUL4B detects a band of approximately 104 kDa in HEK293 cell lysates

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**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.

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**Storage**      Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Shelf Life**      As supplied, 12 months from date of despatch.

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

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**Health And Safety Information**      Material Safety Datasheet documentation #10048 available at:  
Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

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**Regulatory**      For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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