

## Datasheet: VMA00592

<b>Description:</b>	MOUSE ANTI COILIN
<b>Specificity:</b>	COILIN
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Monoclonal
<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 on Protein G from ascites
<b>Buffer Solution</b>	HEPES 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>	<i>E. coli</i> -derived recombinant human coilin
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P38432</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">8161</a> COIL   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CLN80
<b>Specificity</b>	<b>Mouse anti Human coilin antibody</b> recognizes coilin, also known as coilin p80.

The protein encoded by the COIL gene is an integral component of Cajal bodies (also called coiled bodies). Cajal bodies are nuclear suborganelles of varying number and composition that are involved in the post-transcriptional modification of small nuclear and small nucleolar RNAs. The N-terminus of the coilin protein directs its self-oligomerization while the C-terminus influences the number of nuclear bodies assembled per cell. Differential methylation and phosphorylation of coilin likely influences its localization among nuclear bodies and the composition and assembly of Cajal bodies. COIL has pseudogenes on chromosome 4 and chromosome 14 (provided by RefSeq, Jul 2008).

Mouse anti Human coilin antibody detects a band of 80 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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<b>Western Blotting</b>	Anti coilin detects a band of approximately 80 kDa in MCF7 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 #20359 available at: Antibody (20359): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20359.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20359.pdf</a>
<b>Regulatory</b>	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 \(MCA691\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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