

## Datasheet: VMA00294KT

<b>Description:</b>	CHAF1B ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	CHAF1B
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI2D5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](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>	20µl Mouse monoclonal antibody purified by affinity chromatography from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Full length recombinant human CHAF1B (NP_005432) produced in HEK293T cells
<b>External Database Links</b>	<b>UniProt:</b>

**Entrez Gene:**

[8208](#)   CHAF1B   [Related reagents](#)

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**Synonyms**   CAF1A, CAF1P60, MPHOSPH7, MPP7

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**Specificity**   **Mouse anti Human CHAF1B antibody** recognizes the chromatin assembly factor 1 subunit B (CHAF1B), also known as CAF-1 subunit B, CAF-I 60 kDa subunit, CAF-I p60, M-phase phosphoprotein 7, chromatin assembly factor 1 subunit B and chromatin assembly factor-I p60 subunit.

Chromatin assembly factor 1 (CAF1) is required for the assembly of histone octamers onto newly-replicated DNA. CAF1 is composed of three protein subunits, p50, p60, and p150. Encoded by the CHAF1B gene, chromatin assembly factor 1 subunit B corresponds to the p60 subunit and is required for chromatin assembly after replication. Chromatin assembly factor 1 subunit B is differentially phosphorylated in a cell cycle-dependent manner. In addition, it is normally found in the nucleus except during mitosis, when it is released into the cytoplasm. This protein is a member of the WD-repeat HIR1 family and may also be involved in DNA repair (provided by RefSeq, Jul 2008).

Mouse anti Human CHAF1B antibody detects a band of 70 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**   Anti CHAF1B detects a band of approximately 70 kDa in Jurkat 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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**Lysate Composition**   400µg Jurkat lysate lyophilized in RIPA buffer.

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**Lysate Reconstitution**   - If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.  
- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.  
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.

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

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.

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**Guarantee**   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**   Material Safety Datasheet documentation #10048 #10561 available at:

**Information** Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>  
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.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 IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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