

## Datasheet: AHP2253

<b>Description:</b>	GOAT ANTI HUMAN MAML1 (N-TERMINAL)
<b>Specificity:</b>	MAML1 (N-TERMINAL)
<b>Other names:</b>	MASTERMIND-LIKE PROTEIN 1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/128,000
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.3ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Based on sequence similarity, is expected to react with: Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antiserum to human MAML1 (NT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

### Buffer Solution

TRIS buffered saline

<b>Preservative</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml
<b>Immunogen</b>	Synthetic peptide sequence VLPTCPMAEFALPR from the N-Terminal region of MAML1 (NP_055572.1).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q92585</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">9794</a>    MAML1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	KIAA0200
<b>RRID</b>	AB_10841761
<b>Specificity</b>	<p><b>Rabbit anti Human MAML1 antibody</b> recognises an epitope within the N-Terminal (NT) region of human MAML1 (Mastermind-like Protein 1), a widely expressed nuclear protein and member of the mastermind family, which acts as a crucial coactivator of Notch-mediated transcriptional activation, and plays a role in hematopoietic development, by acting as a regulator of Notch-mediated lymphoid cell fate decisions.</p> <p>MAML1 interacts with the Mediator complex component CDK8 (Cyclin-dependent kinase 8), enhancing the phosphorylation and proteolytic turnover of the Notch intracellular domain (NICD) within the nucleus, and forms a DNA-binding complex with RBPSUH/RBP-J kappa/CBF1, playing a vital role in the transcriptional activation of Notch targets. Studies have shown that the NT region of MAML1 interacts with the DNA-binding domain of the tumor suppressor protein p53, and that over-expression of MAML1, greatly increases p53-mediated gene transcription and biological function.</p>
<b>Western Blotting</b>	AHP2253 detects a band of approximately 110kDa in human skeletal muscle cell lysates.
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: 10058: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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