

For Research Use Only

# MAML1 Polyclonal antibody

Catalog Number: 55493-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 55493-1-AP	<b>GenBank Accession Number:</b> NM_014757	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop and 380 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9794	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> mastermind-like 1 (Drosophila)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 108 kDa	
	<b>Observed MW:</b> 108-120 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, mouse heart tissue, Jurkat cells
<b>Cited Applications:</b> CoIP, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	

## Background Information

MAML1, also named as KIAA0200 and Mam-1, belongs to the mastermind family. It acts as a transcriptional coactivator for NOTCH proteins. MAML1 has been shown to amplify NOTCH-induced transcription of HES1. It enhances phosphorylation and proteolytic turnover of the NOTCH intracellular domain in the nucleus through interaction with CDK8. MAML1 binds to CREBBP/CBP which promotes nucleosome acetylation at NOTCH enhancers and activates transcription. Induces phosphorylation and localization of CREBBP to nuclear foci. It plays a role in hematopoietic development by regulating NOTCH-mediated lymphoid cell fate decisions. This antibody is specific to MAML1. The calculated molecular weight of MAML1 is 108 kDa, but modified MAML1 is about 120 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yanzhu Shi	35844785	Int J Biol Sci	WB, CoIP

## Storage

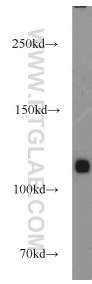
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

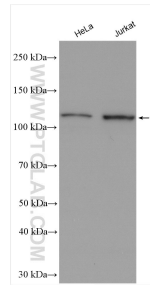
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 55493-1-AP (MAML1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 55493-1-AP (MAML1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.