

For Research Use Only

# MAML1 Polyclonal antibody

Catalog Number: 55493-1-AP

1 Publications



## Basic Information

### Catalog Number:

55493-1-AP

### Size:

150ul , Concentration: 1000 ug/ml by Nanodrop and 380 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_014757

### GeneID (NCBI):

9794

### UNIPROT ID:

Q92585

### Full Name:

mastermind-like 1 (Drosophila)

### Calculated MW:

108 kDa

### Observed MW:

108-120 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

WB, ColP

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB : HeLa cells, mouse heart tissue, Jurkat cells

## 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, ColP

## 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

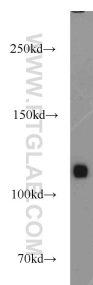
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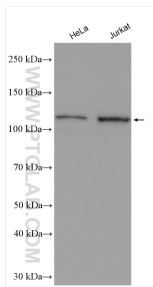
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# Selected Validation Data



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.