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MAML1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11558C

Specification

MAML1 Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	Q92585
Other Accession	NP_055572.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**108054**
Antigen Region	**198-225**

MAML1 Antibody (Center) - Additional Information

Gene ID 9794

Other Names
Mastermind-like protein 1, Mam-1, MAML1 (HGNC:13632)

Target/Specificity
This MAML1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 198-225 amino acids from the Central region of human MAML1.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MAML1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MAML1 Antibody (Center) - Protein Information

Name MAML1 (HGNC:13632)

Function Acts as a transcriptional coactivator for NOTCH proteins. Has been shown to amplify NOTCH-induced transcription of HES1. Enhances phosphorylation and proteolytic turnover of the NOTCH intracellular domain in the nucleus through interaction with CDK8. Binds to CREBBP/CBP which promotes nucleosome acetylation at NOTCH enhancers and activates transcription. Induces phosphorylation and localization of CREBBP to nuclear foci. Plays a role in hematopoietic development by regulating NOTCH-mediated lymphoid cell fate decisions.

Cellular Location
Nucleus speckle. Note=Nuclear, in a punctate manner

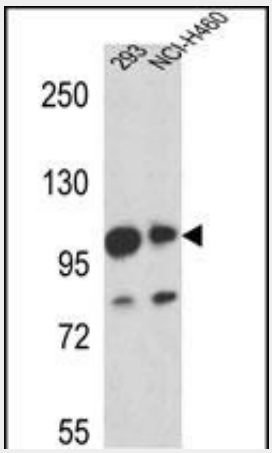
Tissue Location
Widely expressed with highest levels in heart, pancreas, peripheral blood leukocytes and spleen

MAML1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MAML1 Antibody (Center) - Images



MAML1 Antibody (Center) (Cat. #AP11558c) western blot analysis in 293,NCI-H460 cell line lysates (35ug/lane).This demonstrates the MAML1 antibody detected the MAML1 protein (arrow).

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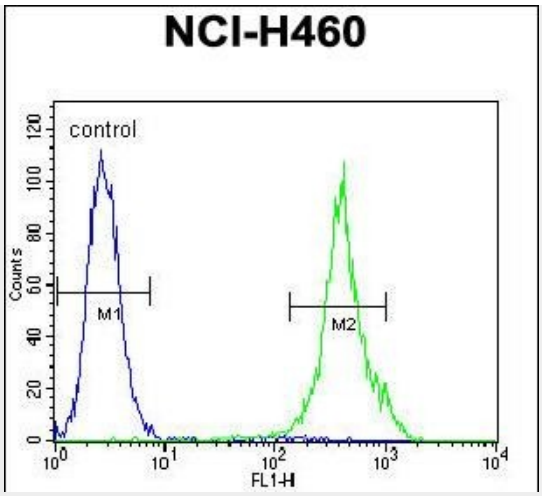

MAML1 Antibody (Center) (Cat. #AP11558c) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

MAML1 Antibody (Center) - Background

This protein is the human homolog of mastermind, a Drosophila protein that plays a role in the Notch signaling pathway involved in cell-fate determination. There is in vitro evidence that the human homolog forms a complex with the intracellular portion of human Notch receptors and can increase expression of a Notch-induced gene. This evidence supports its proposed function as a transcriptional co-activator in the Notch signaling pathway.

MAML1 Antibody (Center) - References

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Saint Just Ribeiro, M., et al. Curr. Protein Pept. Sci. 10(6):570-576(2009)
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