

MAML1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11558C**Specification**

MAML1 Antibody (Center) - Product Information

Application	WB, FC,E
Primary Accession	O92585
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

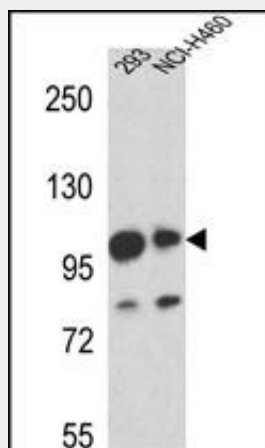
Widely expressed with highest levels in heart, pancreas, peripheral blood leukocytes and spleen

MAML1 Antibody (Center) - Protocols

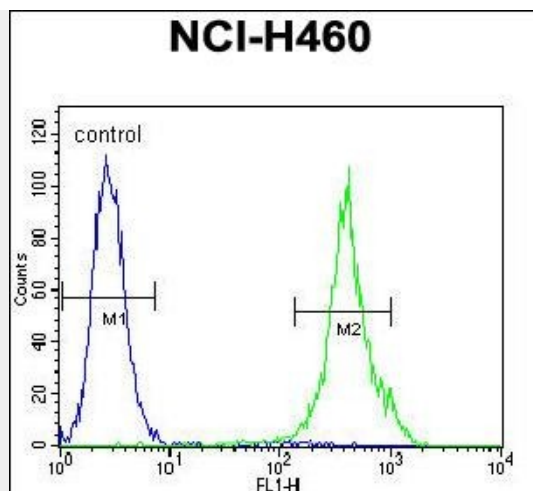
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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).



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

Bailey, S.D., et al. *Diabetes Care* 33(10):2250-2253(2010)
Lindberg, M.J., et al. *FASEB J.* 24(7):2396-2404(2010)
Hao, L., et al. *Oncogene* 29(2):201-213(2010)
Saint Just Ribeiro, M., et al. *Curr. Protein Pept. Sci.* 10(6):570-576(2009)
Talmud, P.J., et al. *Am. J. Hum. Genet.* 85(5):628-642(2009)