

MAML1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11558c**Specification**

MAML1 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q92585](#)**MAML1 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 9794**Other Names**

Mastermind-like protein 1, Mam-1, MAML1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=13632)
HGNC:13632

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MAML1 Antibody (Center) Blocking peptide - 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MAML1 Antibody (Center) Blocking peptide - Images

MAML1 Antibody (Center) Blocking peptide - 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) Blocking peptide - 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)