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

Specification

MAML1 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q92585

MAML1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 9794

Other Names
Mastermind-like protein 1, Mam-1, MAML1 (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

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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, aDrosophila protein that plays a role in the Notch signaling pathwayinvolved in cell-fate determination. There is in vitro evidencethat the human homolog forms a complex with the intracellularportion of human Notch receptors and can increase expression of aNotch-induced gene. This evidence supports its proposed function asa 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)