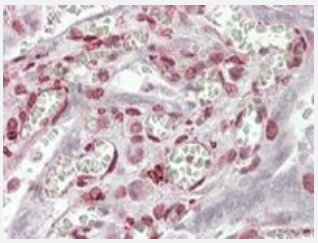
MAML1 polyclonal antibody

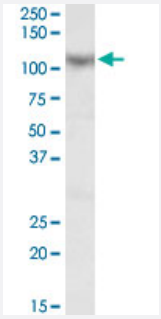
Catalog # PAB6471 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

MAML1 polyclonal antibody (Cat # PAB6471) (3.8 ug/mL) staining of paraffin embedded human placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blot (Tissue lysate)

MAML1 polyclonal antibody (Cat # PAB6471) (0.1 ug/mL) staining of human skeletal muscle lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of MAML1.
Immunogen	A synthetic peptide corresponding to N terminus of human MAML1.
Sequence	VLPTCPMAEFALPR
Host	Goat
Theoretical MW (kDa)	108
Reactivity	Human
Form	Liquid

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Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:128000) Western blot (0.1-0.3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2.5-3.8 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  MAML1 polyclonal antibody (Cat # PAB6471) (3.8 ug/mL) staining of paraffin embedded human placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Tissue lysate)

  MAML1 polyclonal antibody (Cat # PAB6471) (0.1 ug/mL) staining of human skeletal muscle lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Gene Info — MAML1

Entrez GeneID	9794
Protein Accession#	NP_055572
Gene Name	MAML1
Gene Alias	KIAA0200, Mam-1, Mam1
Gene Description	mastermind-like 1 (Drosophila)
Omim ID	605424
Gene Ontology	Hyperlink

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Gene Summary	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. [provided by RefSeq
Other Designations	mastermind homolog|mastermind-like 1

Publication Reference

- MAML1, a human homologue of Drosophila mastermind, is a transcriptional co-activator for NOTCH receptors.

  Wu L, Aster JC, Blacklow SC, Lake R, Artavanis-Tsakonas S, Griffin JD.

  Nature Genetics 2000 Dec; 26(4):484.

Pathway

- Notch signaling pathway

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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