

For Research Use Only

MAML1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87111-1-PBS



Basic Information

Catalog Number: 87111-1-PBS	GenBank Accession Number: NM_014757	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9794	CloneNo.: 252237E6
Source: Rabbit	UNIPROT ID: Q92585	
Isotype: IgG	Full Name: mastermind-like 1 (Drosophila)	
	Calculated MW: 108 kDa	
	Observed MW: 108-120 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

MAML1, also named as KIAA0200 and Mam-1, belongs to the mastermind family. It acts as a transcriptional coactivator for NOTCH proteins. MAML1 has been shown to amplify NOTCH-induced transcription of HES1. It enhances phosphorylation and proteolytic turnover of the NOTCH intracellular domain in the nucleus through interaction with CDK8. MAML1 binds to CREBBP/CBP which promotes nucleosome acetylation at NOTCH enhancers and activates transcription. Induces phosphorylation and localization of CREBBP to nuclear foci. It plays a role in hematopoietic development by regulating NOTCH-mediated lymphoid cell fate decisions. This antibody is specific to MAML1. The calculated molecular weight of MAML1 is 108 kDa, but modified MAML1 is about 120 kDa.

Storage

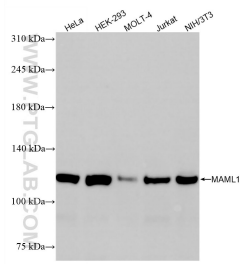
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87111-1-RR (MAML1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87111-1-PBS in a different storage buffer formulation.