

Anti-MAML1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Horse)
Molecular Weight:	Theoretical: 108 kDa. Actual: 110 kDa.
Purification:	Protein A purified

Applications

Sample:	Lane 1: Human MOLT4 cell lysates Lane 2: Human MCF-7 cell lysates Lane 3: Human HeLa cell lysates Lane 4: Human Jurkat cell lysates
Verified Activity:	Primary: Anti-MAML1 (TMAB-08538) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 108 kDa Observed band size: 110 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human MAML1
Antigen Species:	Human
Gene ID:	9794
Uniprot ID:	Q92585

Research Background

Notch receptors are involved in cell-fate determination in organisms as diverse as flies, frogs, and humans (1). The 'mastermind' gene has been identified in multiple genetic screens for modifiers of Notch mutations in *Drosophila melanogaster* (2). In *Drosophila*, loss-of-function mutations of Notch produce a 'neurogenic' phenotype in which cells destined to become epidermis switch fate and differentiate to neural cells (2). The human homolog, mastermind-like 1 (Mam1), localizes to nuclear bodies (2-4). Mam1 binds to the ankyrin repeat domain of all four mammalian Notch receptors, forms a DNA-binding complex with ICN and RBP-Jk, and amplifies Notch-induced transcription of Hes1 (2). Mam1 is an essential component of the transcriptional apparatus of Notch signaling (5). The gene which encodes Mam1 maps to human chromosome 5 (4).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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