bs-12396R **[Primary Antibody]**

MAML1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 9794 **SWISS:** Q92585

Target: MAML1

Immunogen: KLH conjugated synthetic peptide derived from human MAML1: 401-500/1016.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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).

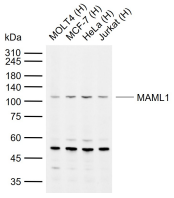
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Dog, Horse)

Predicted MW.: 108 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



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 Primary: Anti-MAML1 (bs-12396R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 108 kDa Observed band size: 110 kDa

SELECTED CITATIONS

- **[IF=3.063]** Liu T et al. MicroRNA-193b-3p regulates hepatocyte apoptosis in selenium-deficient broilers by targeting MAML1.J Inorg Biochem. 2018 Sep;186:235-245. WB ;broiler chick. 29990747