

Datasheet for ABIN1714470
anti-MAML1 antibody (AA 401-500)[Go to Product page](#)

1 Publication

Overview

Quantity:	100 µL
Target:	MAML1
Binding Specificity:	AA 401-500
Reactivity:	Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAML1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MAML1
Isotype:	IgG
Cross-Reactivity:	Chicken
Predicted Reactivity:	Human,Mouse,Rat,Dog,Horse
Purification:	Purified by Protein A.

Target Details

Target:	MAML1
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Target Details

Alternative Name:	MAML1 (MAML1 Products)
Background:	<p>Synonyms: Mam-1, Mam1, MAML 1, MAML 1, Maml1, MAML1_HUMAN, Mastermind like 1, Mastermind-like protein 1, mKIAA0200.</p> <p>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).</p>
Gene ID:	9794
Pathways:	Notch Signaling , Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Wu, Yu, Zhang, Zhang: "Cardioprotective effect of Notch signaling on the development of myocardial infarction complicated by diabetes mellitus." in: Experimental and therapeutic medicine , Vol. 14, Issue 4, pp. 3447-3454, (2017) (PubMed).
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