

Mouse MAML3 (Mastermind Like Transcriptional Coactivator 3) Monoclonal Antibody | anti-MAML3 antibody

MAML3 (Mastermind Like Transcriptional Coactivator 3)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214490	Mouse	Human. Others not known.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

MAML3 (Mastermind Like Transcriptional Coactivator 3); Monoclonal Antibody; CAGH3; ERDA3; GDN; MAML3; Mastermind-like protein 3; TNRC3; anti-MAML3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	MAML3/1303
Specificity	MAML3 (mastermind-like protein 3) is a nuclear speckle protein that acts as a transcriptional coactivator for Notch receptors. The Notch signaling pathway influences cell fate by regulating the ability of precursor cells to properly respond to developmental signals. MAML3 is a member of the mastermind-like family of proteins that are human homologs of the Drosophila melanogaster mastermind protein. Through its N-terminal region, MAML3 interacts with the ankyrin repeats of the Notch proteins Notch 1, Notch 2, Notch 3 and Notch 4. This interaction leads to formation of a DNA-binding complex with the Notch proteins and RBP-Jkappa; a complex that can then induce HES1 gene expression. While the N-terminal domain of MAML3 is essential for proper Notch binding, the C-terminal domain of MAML3 is essential for transcriptional activation. Due to its involvement in cell signaling and transcriptional activation, upregulation of MAML3 is thought to be involved in oncogenesis.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	1133
Applicable Applications for anti-MAML3 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant human full-length MAML3 protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	4q28
Positive Control	MCF-7 cells. Pancreas or Placenta. Cervix or Colon Carcinoma.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Placenta stained with MAML3 Monoclonal Antibody (MAML3/1303).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Cervical Carcinoma stained with MAML3 Monoclonal Antibody (MAML3/1303).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Colon Carcinoma stained with MAML3 Monoclonal Antibody (MAML3/1303).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Pancreas stained with MAML3 Monoclonal Antibody (MAML3/1303).

ADDITIONAL INFORMATION

References	Wu, L., Sun, T., Kobayashi, K., Gao, P. and Griffin, J.D. 2002. Identification of a family of mastermind-like transcriptional co-activators for mammalian Notch receptors. Mol. Cell. Biol. 22: 7688-770.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38158015
NCBI GeneID	55534
NCBI Accession #	NP_061187.2
NCBI GenBank Nucleotide #	NM_018717.4
UniProt Accession #	Q96JK9; B2RNU9; B3KVV7; E7EVW8
Molecular Weight	150-170kDa
NCBI Official Full Name	mastermind-like protein 3
NCBI Official Synonym Full Names	mastermind like transcriptional coactivator 3
NCBI Official Symbol	MAML3
NCBI Official Synonym Symbols	GDN; MAM2; CAGH3; ERDA3; MAM-2; TNRC3; mam-3
NCBI Protein Information	mastermind-like protein 3
UniProt Protein Name	Mastermind-like protein 3
UniProt Gene Name	MAML3
UniProt Synonym Gene Names	Mam-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/maml3-mastermind-like-transcriptional-coactivator-3-antibody-clone-maml3-1303-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/214490>