# MAML2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | MAML2, Polyclonal Antibody |
| **Full Product Name** | MAML2 Antibody, Biotin conjugated |
| **Product Gene Name** | anti-MAML2 antibody |
| **Product Synonym Names** | Mastermind-like protein 2; Mam-2; MAML2; KIAA1819 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid |
| **Purity/Purification** | >95%, Protein G purified |
| **Preparation and Storage** | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **Matching Pairs** | Unconjugated Antibody: MAML2 (MBS7110311)<br>Biotin Conjugated Antibody: MAML2 (MBS7110314) |
| **Molecular Weight** | 125,197 Da |
| **OMIM** | AY040322 mRNA |
| **3D Structure** | ModBase 3D Structure for Q8IZL2 |
| **Immunogen** | Recombinant Human Mastermind-like protein 2 protein (347-506AA) |
| **Conjugation** | Biotin |
| **Buffer** | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| **Product Categories/Family for anti-MAML2 antibody** | Epigenetics and Nuclear Signaling; Stem Cells |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-MAML2 antibody** | ELISA (EIA) |
| **Related Product Information for anti-MAML2 antibody** | Acts as a transcriptional coactivator for NOTCH proteins. Has been shown to amplify NOTCH-induced transcription of HES1. Potentiates activation by NOTCH3 and NOTCH4 more efficiently than MAML1 or MAML3. |
| **Other Notes** | Small volumes of anti-MAML2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for MAML2 purchase** | MBS7110314 is an antibody targeting MAML2. Also known as MAML2 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAML2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 33286444 |
| **NCBI GeneID** | 84441 |
| **NCBI Accession #** | NP_115803.1 |
| **UniProt Primary Accession #** | Q8IZL2 |
| **UniProt Secondary Accession #** | Q6AI23; Q6Y3A3; Q8IUL3; Q96JK6; A7MD26 |
| **UniProt Related Accession #** | Q8IZL2 |
| **GenBank Nucleotide #** | NM_032427.3 |
| **NCBI Official Full Name** | mastermind-like protein 2 |
| **NCBI Official Synonym Full Names** | mastermind like transcriptional coactivator 2 |
| **NCBI Official Symbol** | MAML2 |
| **NCBI Official Synonym Symbols** | MAM2; MAM3; MAM-3; MLL-MAML2 |
| **UniProt Protein Name** | Mastermind-like protein 2 |
| **Protein Family** | Mastermind-like protein |
| **UniProt Gene Name** | MAML2 |
| **UniProt Synonym Gene Names** | KIAA1819; Mam-2 |
| **NCBI Protein Information** | mastermind-like protein 2 |
| **NCBI Summary for MAML2** | The protein encoded by this gene is a member of the Mastermind-like family of proteins. All family members are proline and glutamine-rich, and contain a conserved basic domain that binds the ankyrin repeat domain of the intracellular domain of the Notch receptors (ICN1-4) in their N-terminus, and a transcriptional activation domain in their C-terminus. This protein binds to an extended groove that is formed by the interaction of CBF1, Suppressor of Hairless, LAG-1 (CSL) with ICN, and positively regulates Notch signaling. High levels of expression of this gene have been observed in several B cell-derived lymphomas. Translocations resulting in fusion proteins with both CRTC1 and CRTC3 have been implicated in the development of mucoepidermoid carcinomas, while a translocation event with CXCR4 has been linked with chronic lymphocytic leukemia (CLL). Copy number variation in the polyglutamine tract has been observed. [provided by RefSeq, Jan 2015] |
| **Research Articles on MAML2** | **1.** Warthin-like mucoepidermoid carcinoma (MEC), and now a ciliated form of MEC, are newly described variants of a common salivary gland carcinoma. MAML2 rearrangements were identified in all cases. These unusual variants appear to consistently harbor MAML2 fusions-a finding that establishes a clear link to conventional MEC. |
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