



# MAML2 Polyclonal Antibody

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | YP-Ab-05710  |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Rat;Mouse;   |
| <b>Applications</b>       | WB;ELISA   |
| <b>Gene Name</b>          | MAML2 KIAA1819   |
| <b>Protein Name</b>       | Mastermind-like protein 2 (Mam-2)  |
| <b>Immunogen</b>          | Synthesized peptide derived from human protein . at AA range: 10-90  |
| <b>Specificity</b>        | MAML2 Polyclonal Antibody detects endogenous levels of protein.  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Source</b>             | Polyclonal, Rabbit,IgG   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Dilution</b>           | WB 1:500-2000 ELISA 1:5000-20000   |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           |  |
| <b>Observed Band</b>      | 127kD  |
| <b>Cell Pathway</b>       | Nucleus speckle . Nuclear, in a punctate manner.   |
| <b>Tissue Specificity</b> | Widely expressed with high levels detected in placenta, salivary gland and skeletal muscle.  |
| <b>Function</b>           | disease:A chromosomal aberration involving MAML2 is found in mucoepidermoid carcinomas, benign Warthin tumors and clear cell hidradenomas. Translocation t(11;19)(q21;p13) with CRTC1/MECT1. The fusion protein consists of the N-terminus of CRTC1 joined to the C-terminus of MAML2. The reciprocal fusion protein consisting of the N-terminus of MAML2 joined to the C-terminus of CRTC1 has been detected in a small number of mucoepidermoid carcinomas.,domain:The C-terminal domain is required for transcriptional activation.,function: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.,similarity:Belongs to the mastermind family.,subcellular location:Nuclear, in a punctate manner.,subunit:Interacts through its N-terminal region with the ankyrin repeat |
| <b>Background</b>         | 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 p

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images