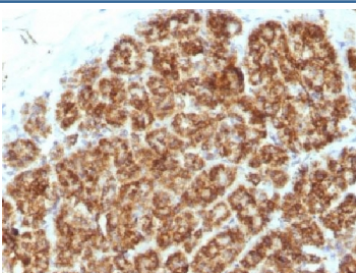


## MAML2 Antibody [clone MAML2/1302] (V3532)

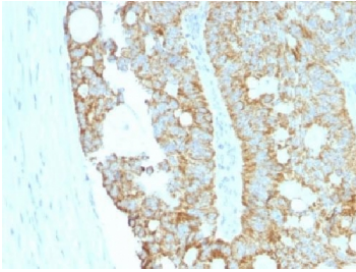
Catalog No.	Formulation	Size
V3532-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3532-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3532SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3532IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

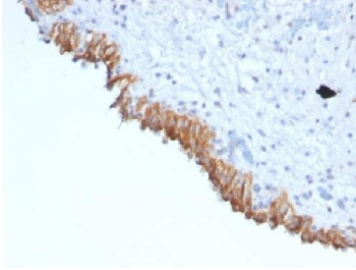
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	MAML2/1302
<b>Purity</b>	Protein G affinity chromatography
<b>Buffer</b>	1X PBS, pH 7.4
<b>Gene ID</b>	84441
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This MAML2 antibody is available for research use only.



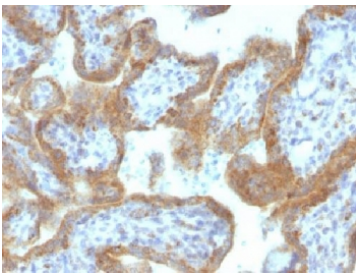
MAML2 Antibody Human Pancreas Tissue IHC. Immunohistochemistry testing of FFPE human pancreas tissue with MAML2 antibody (clone MAML2/1302). Staining of FFPE tissue requires boiling sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.



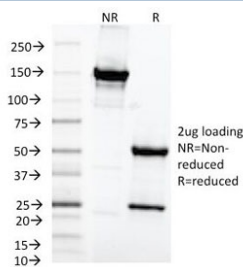
MAML2 Antibody Human Colon Carcinoma IHC. Immunohistochemistry testing of FFPE human colon carcinoma with MAML2 antibody (clone MAML2/1302). Staining of FFPE tissue requires boiling sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.



MAML2 Antibody Human Bladder Carcinoma IHC. Immunohistochemistry testing of FFPE human bladder carcinoma with MAML2 antibody (clone MAML2/1302). Staining of FFPE tissue requires boiling sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.



MAML2 Antibody Human Placenta IHC. Immunohistochemistry testing of FFPE human placental tissue with MAML2 antibody (clone MAML2/1302). Staining of FFPE tissue requires boiling sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE Analysis of Purified, BSA-Free MAML2 Antibody (clone MAML2/1302). Confirmation of Integrity and Purity of the Antibody.

## Description

MAML2 Antibody detects Mastermind-like 2, also known as MAM2, MAM3 or MLLMAML2, a nuclear speckle protein that acts as a transcriptional co-activator for Notch receptors. The Notch signaling pathway influences cell fate by regulating the ability of precursor cells to properly respond to developmental signals. MAML2 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, it interacts with the ankyrin repeats of the Notch proteins (1-4). This interaction leads to formation of a DNA-binding complex with the Notch proteins and RBP-J $\delta$ ; a complex that can then induce HES1 gene expression. While the N-terminal domain of MAML2 is essential for proper Notch binding, the C-terminal domain of MAML2 is essential for transcriptional activation. A chromosomal aberration involving the gene is implicated in mucoepidermoid carcinomas, clear cell hidradenomas and benign Warthin tumors.

This antibody is part of a [broader antibody panel](#) offered by NSJ Bioreagents.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the MAML2 antibody to be titrated up or down for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

A human recombinant full length protein was used as the immunogen for this MAML2 antibody.

## Storage

Store the MAML2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## References (1)