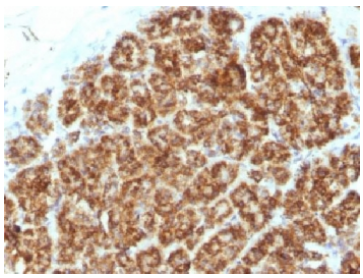
MAML2 Antibody [clone MAML2/1302] (V3532)

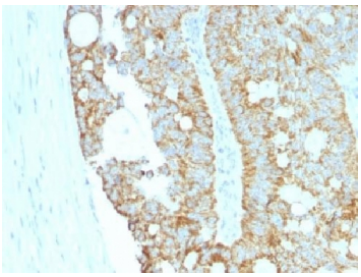
Catalog No.	Formulation	Size
V3532-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3532-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3532SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3532IHC-7ML	Prediluted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

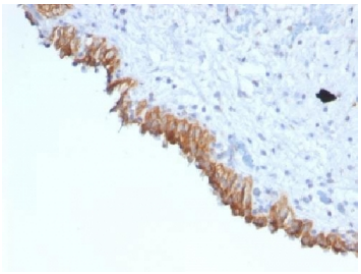
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	MAML2/1302
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	84441
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min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



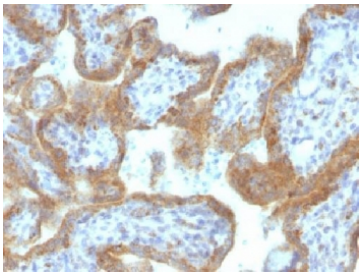
IHC testing of FFPE human pancreas tissue with MAML2 antibody (clone MAML2/1302). Staining of FFPE tissue requires boiling sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.



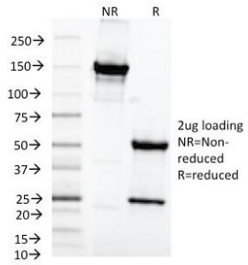
IHC testing of FFPE human colon carcinoma with MAML2 antibody (clone MAML2/1302). Staining of FFPE tissue requires boiling sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.



IHC 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.



IHC 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

Mastermind-like 2, also known as MAM2, MAM3 or MLLMAML2, is 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-JÎº; 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.

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 titered 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)