

Datasheet for ABIN6937802 **anti-MAML2 antibody**



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Overview

Quantity:	100 µg
Target:	MAML2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MAML2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunostaining (Ist), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant human MAML2 fragment
Clone:	MAML2-1302
Isotype:	IgG2a kappa
Specificity:	MAML2 (mastermind-like protein 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, MAML2 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-J a complex that can then induce HES1 gene expression. While the N-terminal domain of MAML2 is essential for proper Notch binding, the C-

Product Details

terminal domain of MAML2 is essential for transcriptional activation. A chromosomal aberration involving the gene encoding MAML2 is implicated in mucoepidermoid carcinomas, clear cell hidradenomas and benign Warthin tumors.

Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	MAML2
Alternative Name:	MAML2 (MAML2 Products)
Background:	Mam-2, MAML2, Mastermind-like protein 2,MAML2 (Mastermind Like Transcriptional Coactivator 2) Cellular localisation: Cytoplasmic
Molecular Weight:	125kDa
Gene ID:	84441, 428214
UniProt:	Q8IZL2

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0 for 45 min at 95°C followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined. Positive_Control: MCF-7 cells. Pancreas or Placenta. Bladder or Colon Carcinoma.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C

Handling

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months