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# MSX1/2 Antibody

货号: **ABY1059**

## 产品信息

反应	Human, Mouse, Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC IF/ICC
推荐浓度	<b>WB:</b> 1:500-1:2000,, IF/ICC 1:100-1:500
理论分子量	31kDa/29kDa
实测分子量	
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.5.
偶联物	Unconjugated
阳性对照	HeLa,NIH/3T3,C2C12,mouse spinal cord,rat brain,rat uterus
细胞定位	Nucleus
纯化	亲和纯化

## 抗原信息

抗原信息	
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## 靶点信息

研究背景	Acts as a transcriptional repressor (By similarity). Capable of transcription autoinactivation (By similarity). Binds to the consensus sequence 5'-C/GTAAT-3' in downstream activin regulatory elements (DARE) in the gene promoter, thereby repressing the transcription of CGA/alpha-GSU and GNRHR (By similarity). Represses transcription of myoblast differentiation factors (By similarity). Binds to core enhancer regions in target gene promoters of myoblast differentiation factors with binding specificity facilitated by interaction with PIAS1 (By similarity). Regulates, in a stage-specific manner, a developmental program of gene expression in the fetal tooth bud that controls odontoblast differentiation and proliferation of dental mesenchymal cells (By similarity). At the bud stage, required for mesenchymal molar tooth bud development via facilitating reciprocal signaling between dental epithelial and mesenchymal cells (By similarity). May also regulate expression of Wnt antagonists such as DKK2 and SFPR2 in the developing tooth mesenchyme (By similarity). Required for BMP4 expression in dental mesenchyme cells (By similarity). Also, in response to BMP4, required for BMP4 expression in neighboring dental epithelial cells (By similarity). Required for maximal FGF4-induced expression of SDC1 in dental mesenchyme cells (By similarity). Also in response to SDC1, required for SDC1 expression in neighboring dental epithelial cells (By similarity). At the early bell stage, acts to drive proliferation of dental mesenchyme cells, however during the late bell stage acts as an homeostatic regulator of the cell cycle (By similarity). Regulates proliferation and inhibits premature mesenchymal odontogenesis during the bell stage via inhibition of the Wnt signaling component CTNNB1 and subsequent repression of the odontoblast differentiation factors BMP2, BMP4, LEF1, ALPL and BGLAP/OCN (By similarity). Additionally, required for correct development and fusion of the palatal shelves and embryonic mandibular formation (By similarity). Plays a role in embryonic bone formation of the middle ear, skull and nasal bones (By similarity). Required for correct formation and thickness of the nail plate (By similarity). May play a role in limb-pattern formation (By similarity). . Acts as a transcriptional regulator in bone development. Represses the ALPL promoter activity and antagonizes the stimulatory effect of DLX5 on ALPL expression during osteoblast differentiation. Probable morphogenetic role. May play a role in limb-pattern formation. In osteoblasts, suppresses transcription driven by the osteocalcin FGF response element (OCFRE). Binds to the homeodomain-response element of the ALPL promoter. .
基因ID	4487, 4488
基因名	MSX1, MSX2
Swiss	P28360 P35548
别名	AA675338; AI324650; Homeobox 7; Homeobox protein Hox-7; Homeobox protein MSX 1; Homeobox protein in MSX-1; Homeobox protein MSX1; Homeobox, msh like 1; Homeobox, msh-like 1; HOX 7; Hox 7.1; Hox-7; HOX7; Hox7.1; HYD 1; HYD1; msh (Drosophila) homeo box homolog 1 (formerly homeo box 7); Msh; msh homeo box 1; msh homeo box homolog 1; Msh homeobox 1; Msh homeobox 1 like protein; Msh homeobox 1-like protein; msh homeobox homolog 1 (Drosophila); msh homeobox homolog 1; MSH, Drosophila, Homolog of, 1; MSX 1; MSX1; MSX1_HUMAN; Muscle segment homeobox; Muscle segment homeobox, Drosophila, Homolog of, 1; OFC5; OTTHUMP00000115387; STHAG1; CRS 2; CRS2; FPP; Homeo box msh like 2; Homeobox protein Hox-8; Homeobox protein MSX 2; Homeobox protein MSX-2; Homeobox protein MSX2; Hox 8; Hox8; MSH; Msh homeo box 2; Msh homeo box homolog; Msh homeo box homolog 2; Msh homeobox 2; Msh homeobox homolog 2; Msx 2; MSX2; MSX2_HUMAN; Parietal foramina 1; PFM 1; PFM; PFM1;

## 产品验证

## 实验步骤

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