

**bs-8512R**

**[ Primary Antibody ]**

## MSX1 Rabbit pAb

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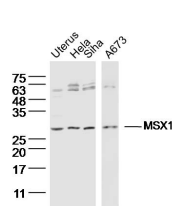
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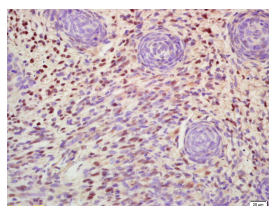
### DATASHEET

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:50-200) <b>Flow-Cyt</b> (5µg /Test)  <b>Reactivity:</b> Human, Mouse (predicted: Rat, Cow, Dog)  <b>Predicted MW.:</b> 31 kDa  <b>Subcellular Location:</b> Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 4487	<b>SWISS:</b> P28360	
<b>Target:</b> MSX1		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MSX1: 151-297/297.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> Acts as a transcriptional repressor. May play a role in limb-pattern formation. Acts in craniofacial development and specifically in odontogenesis. Expression in the developing nail bed mesenchyme is important for nail plate thickness and integrity.		

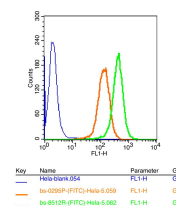
### VALIDATION IMAGES



Sample: Uterus (Mouse) Lysate at 40 ug  
Hela Cell (Human) Lysate at 40 ug  
SiHa Cell (Human) Lysate at 40 ug  
A673 Cell (Human) Lysate at 40 ug  
Primary: Anti- MSX1 (bs-8512R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 31 kD  
Observed band size: 31 kD



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-MSX1 Polyclonal Antibody, Unconjugated (bs-8512R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Positive control: Hela cells  
Concentration: 5µg/10<sup>6</sup> cells  
Incubation conditions: Avoid light, 30 minutes on the ice.

### SELECTED CITATIONS

- **[IF=14.7]** Li Meng. et al. PRMT1-methylated MSX1 phase separates to control palate development. *NAT COMMUN.* 2025 Jan 22;16(1):949. immunoblotting, IF, IHC ; Mouse. 39843447
- **[IF=8]** Si-Ting Chen. et al. The activation of cGAS-STING pathway causes abnormal uterine receptivity in aged mice. *AGING CELL.* 2024 Aug;e14303 IF ; Mouse. 39113346
- **[IF=4.9]** Hong-Yuan Yang. et al. Effects of Acrylamide on Mouse Implantation and Decidualization. *INT J MOL SCI.* 2025 Jan;26(9):4129 IF ; Mouse. 40362368
- **[IF=3.6]** Chen Bangjie. et al. An angiogenesis-associated gene-based signature predicting prognosis and immunotherapy efficacy of head and neck squamous cell carcinoma patients. *J CANCER RES CLIN.* 2024 Feb;150(2):1-23 IHC, WB ; Human. 38347320
- **[IF=3.337]** Linlin Yang. et al. Identification and Validation of MSX1 as a Key Candidate for Progesterone Resistance in

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Endometrial Cancer. Oncotargets Ther. 2020; 13: 11669–11688 WB ;Human. 33235459