

## MSX1 Rabbit pAb

Catalog Number: bs-8512R

Target Protein: MSX1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:50-200), Flow-Cyt (5µg /Test)

Reactivity: Human, Mouse (predicted:Rat, Cow, Dog)

Predicted MW: 31 kDa

Entrez Gene: 4487

Swiss Prot: P28360

Source: KLH conjugated synthetic peptide derived from human MSX1: 151-297/297.

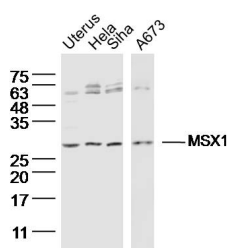
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

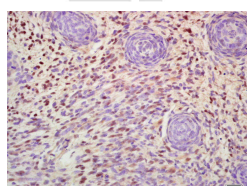
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Acts as a transcriptional repressor. May play a role in limb-pattern formation. Acts in cranofacial development and specifically in odontogenesis. Expression in the developing nail bed mesenchyme is important for nail plate thickness and integrity.

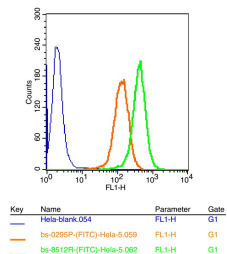
### VALIDATION IMAGES



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.

## PRODUCT SPECIFIC PUBLICATIONS

**[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=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 Progestin Resistance in Endometrial Cancer. Oncotargets Ther. 2020; 13: 11669–11688 WB ; Human . 33235459

**[IF=3]** Qingbo Zheng. et al. Interpretation of the Yak Skin Single-Cell Transcriptome Landscape. ANIMALS. 2023 Jan;13(24):3818 IF ; Bovine . 38136855

**[IF=1.85]** Mu, Hailong, et al. "The function of Msx1 gene in promoting meiosis of dairy goat male germline stem cells (mGSCs)." Cell Biochemistry and Function (2013). Other ; ="Goat" . 24123057