

Anti-MSX1 Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Human, Mouse (predicted: Rat, Dog, Cow)
Molecular Weight: Theoretical: 31 kDa. Actual: 31 kDa.
Purification: Protein A purified

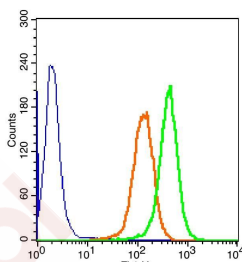
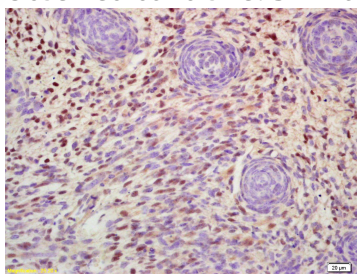
Applications

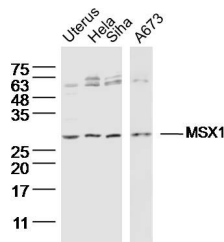
1. Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;
Incubation: Anti-MSX1 Polyclonal Antibody, Unconjugated (TMAB-01172) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.

2. Positive control: Hela cells
Concentration: 5 µg/10⁶ cells
Incubation conditions: Avoid light, 30 minutes on the ice.

Verified Activity:

3. Sample:
Utreus (Mouse) Lysate at 40 µg
Hela Cell (Human) Lysate at 40 µg
Siha Cell (Human) Lysate at 40 µg
A673 Cell (Human) Lysate at 40 µg
Primary: Anti-MSX1 (TMAB-01172) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 31 kDa
Observed band size: 31 kDa





Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended FCM=5 µg/Test; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human MSX1

Antigen Species: Human

Gene ID: 4487

Uniprot ID: P28360

Synonyms: Hox 7.1;Muscle segment homeobox;MSX 1;OFC5;Msh;STHAG1;Homeobox protein Hox-7;Hox7.1;Msh homeobox 1 like protein;msh homeobox homolog 1(Drosophila);msh homeo box homolog 1;Hox-7;Homeobox, msh like 1;HYD1;Msh homeobox 1;Muscle segment homeobox, Drosophila, Homolog of, 1;Msh homeobox 1-like protein;MSH, Drosophila, Homolog of, 1;HYD 1;msh(Drosophila) homeo box homolog 1(formerly homeo box 7);msh homeo box 1; Homeobox 7;MSX1;Homeobox protein MSX-1;msh homeobox homolog 1;HOX7;Homeobox protein MSX1;HOX 7

Biology Area: Nervous system development,Bone,HOX,Transcription Factors,Neural Stem Cell marker, Neurogenesis,Intracellular

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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