

**Anti-Human/Mouse MSX2 Polyclonal Antibody**  
**Polyclonal Antibody**

**Cat.NO.: PA05139**

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3th Edition

**Description:**MSX2 encodes a member of the muscle segment homeobox gene family. The encoded protein is a transcriptional repressor whose normal activity may establish a balance between survival and apoptosis of neural crest-derived cells required for proper craniofacial morphogenesis. The encoded protein may also have a role in promoting cell growth under certain conditions and may be an important target for the RAS signaling pathways. Mutations in this gene are associated with parietal foramina 1 and craniosynostosis type 2. MSX2 (Msh Homeobox 2) is a Protein Coding gene. Diseases associated with MSX2 include Craniosynostosis, Type 2 and Parietal Foramina 1. Among its related pathways are HTLV-I infection and Neural Crest Differentiation. GO annotations related to this gene include sequence-specific DNA binding and RNA polymerase II core promoter proximal region sequence-specific DNA binding. An important paralog of this gene is MSX1.

**Antigen:**Synthesized peptide derived from the Internal region of human Msx-2.

**Form:**

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**