

## Anti-MSX1 antibody

---



|                           |                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Unconjugated Rabbit polyclonal to MSX1                                                                                 |
| <b>Model</b>              | STJ190196                                                                                                              |
| <b>Host</b>               | Rabbit                                                                                                                 |
| <b>Reactivity</b>         | Human, Mouse                                                                                                           |
| <b>Applications</b>       | ELISA, WB                                                                                                              |
| <b>Immunogen</b>          | Synthesized peptide derived from human MSX1 protein.                                                                   |
| <b>Immunogen Region</b>   | 70-150aa                                                                                                               |
| <b>Gene ID</b>            | <a href="#">4487</a>                                                                                                   |
| <b>Gene Symbol</b>        | <a href="#">MSX1</a>                                                                                                   |
| <b>Dilution range</b>     | WB 1:500-2000 ELISA 1:5000-20000                                                                                       |
| <b>Specificity</b>        | MSX1 Polyclonal Antibody detects endogenous levels of protein.                                                         |
| <b>Tissue Specificity</b> | Expressed in the developing nail bed mesenchyme.                                                                       |
| <b>Purification</b>       | MSX1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                           |
| <b>Protein Name</b>       | Homeobox protein MSX-1 Homeobox protein Hox-7 Msh homeobox 1-like protein                                              |
| <b>Molecular Weight</b>   | 32 kDa                                                                                                                 |
| <b>Clonality</b>          | Polyclonal                                                                                                             |

|                                         |                                                                                                                                                                                                                                                          |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>                      | Unconjugated                                                                                                                                                                                                                                             |
| <b>Isotype</b>                          | IgG                                                                                                                                                                                                                                                      |
| <b>Formulation</b>                      | Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                      |
| <b>Concentration</b>                    | 1 mg/ml                                                                                                                                                                                                                                                  |
| <b>Storage Instruction</b>              | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                     |
| <b>Database Links</b>                   | <a href="#">HGNC:7391OMIM:106600</a>                                                                                                                                                                                                                     |
| <b>Alternative Names</b>                | Homeobox protein MSX-1 Homeobox protein Hox-7 Msh homeobox 1-like protein                                                                                                                                                                                |
| <b>Function</b>                         | 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. |
| <b>Cellular Localization</b>            | Nucleus.                                                                                                                                                                                                                                                 |
| <b>Post-translational Modifications</b> | Sumoylated by PIAS1, desumoylated by SENP1.                                                                                                                                                                                                              |

---

**St John's Laboratory Ltd**

**F** +44 (0)207 681 2580  
**T** +44 (0)208 223 3081

**W** <http://www.stjohnslabs.com/>  
**E** [info@stjohnslabs.com](mailto:info@stjohnslabs.com)