

## Product datasheet for **TA305641**

### MSX1 Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC:2-4ug/ml
Reactivity:	Human (Expected from sequence similarity: Mouse, Rat, Pig, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence TSLPLGVKVEDS-C, from the N Terminus of the protein sequence according to NP_002439.1.
Formulation:	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	msh homeobox 1
Database Link:	<a href="#">NP_002439</a> <a href="#">Entrez Gene 17701 Mouse</a> <a href="#">Entrez Gene 81710 Rat</a> <a href="#">Entrez Gene 4487 Human</a> <a href="#">P28360</a>



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**Background:**

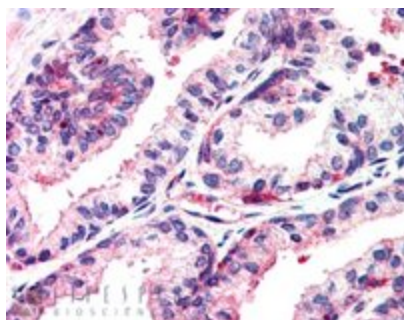
This gene encodes a member of the muscle segment homeobox gene family. The encoded protein functions as a transcriptional repressor during embryogenesis through interactions with components of the core transcription complex and other homeoproteins. It may also have roles in limb-pattern formation, craniofacial development, particularly odontogenesis, and tumor growth inhibition. Mutations in this gene, which was once known as homeobox 7, have been associated with nonsyndromic cleft lip with or without cleft palate 5, Witkop syndrome, Wolf-Hirschorn syndrome, and autosomal dominant hypodontia. [provided by RefSeq]

**Synonyms:**

ECTD3; HOX7; HYD1; STHAG1

**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**

TA305641 (2.5ug/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.