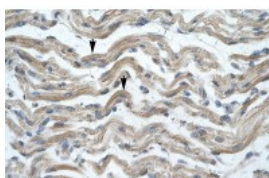
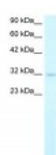




## MSX1 Antibody

CATALOG NUMBER: 27-333



Antibody used in WB on Human Kidney at 2.0 ug/ml.

Antibody used in IHC on Human Muscle.

Specifications	
<b>SPECIES REACTIVITY:</b>	Dog, Human
<b>TESTED APPLICATIONS:</b>	ELISA, IHC, WB
<b>APPLICATIONS:</b>	MSX1 antibody can be used for detection of MSX1 by ELISA at 1:62500. MSX1 antibody can be used for detection of MSX1 by western blot at 2.0 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>POSITIVE CONTROL:</b>	1) Cat. No. XBL-10408 - Fetal Kidney Tissue Lysate
<b>PREDICTED MOLECULAR WEIGHT:</b>	31 kDa
<b>IMMUNOGEN:</b>	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human MSX1.
<b>HOST SPECIES:</b>	Rabbit
Properties	
<b>PURIFICATION:</b>	Antibody is purified by protein A chromatography method.
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 100 uL of distilled water. Final antibody concentration is 1 mg/mL.
<b>CONCENTRATION:</b>	1 mg/ml
<b>STORAGE CONDITIONS:</b>	For short periods of storage (days) store at 4°C. For longer periods of storage, store MSX1 antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated
Additional Info	
<b>ALTERNATE NAMES:</b>	MSX1, HOX7, HYD1, ECTD3, STHAG1
<b>ACCESSION NO.:</b>	NP_002439
<b>PROTEIN GI NO.:</b>	118582284

**OFFICIAL SYMBOL:** MSX1

**GENE ID:** 4487

### Background

**BACKGROUND:** Slightly proximal to the Huntington disease locus, the human MSX1 gene is deleted in patients with Wolf-Hirschhorn syndrome. This gene is also called HOX7. The Msx family of vertebrate HOX genes was originally isolated by homology to the Drosophila msh (muscle segment homeo box) gene. This is a candidate gene for human cleft palate.

**REFERENCES:** 1) Djousse, L., et al., (2004) Neurogenetics 5 (2), 109-114.

**FOR RESEARCH USE ONLY**

December 12, 2016