

For Research Use Only

# MSX1 Polyclonal antibody

Catalog Number: 17678-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 17678-1-AP	<b>GenBank Accession Number:</b> BC021285	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop and 393 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4487	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> msh homeobox 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 303 aa, 32 kDa	
<b>Immunogen Catalog Number:</b> AG11700	<b>Observed MW:</b> 32 kDa	

## Applications

<b>Tested Applications:</b> WB,ELISA	<b>Positive Controls:</b> WB : mouse skeletal muscle tissue, rat skeletal muscle tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	

## Background Information

MSX1, also known as, Homeobox protein Hox-7 or Msh homeobox 1-like protein, is a 303 amino acid protein, which plays an important role during embryogenesis. Msx1 was the first mammalian member of the Msx subfamily of homeobox genes that was described, and it was isolated from a cDNA library prepared from mouse 8.5-day embryos. Expression of Msx1 has been described during embryogenesis of limb buds, genital ridges, visceral arches, craniofacial structures, central nervous system, and the developing pituitary gland. Msx1 expression in adult mouse uterus and mammary gland has also been reported recently. (PMID: 9369446). MSX1 displays homology to the Drosophila muscle segment homeobox (msh) gene, which is important in development. MSX1 encodes important genes that regulate numerous morphogenic events, such as tooth formation, bone development, development of the central nervous system, and the development and proliferation of various cell types (PMID: 18379900).

## Notable Publications

Author	Pubmed ID	Journal	Application
Huizhe Wu	35173309	Oncogene	WB

## Storage

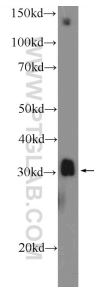
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 17678-1-AP (MSX1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.