

# SP7 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10328

## Product Information

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<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">Q8TDD2</a>
<b>Other Accession</b>	<a href="#">NM_152860</a> , <a href="#">NP_690599</a>
<b>Reactivity</b>	Human, Mouse, Rat, Pig, Dog, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Pig, Dog, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	44994

## Additional Information

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<b>Gene ID</b>	121340
<b>Alias Symbol</b>	MGC126598, OSX, osterix, OI11, OI12
<b>Other Names</b>	Transcription factor Sp7, Zinc finger protein osterix, SP7, OSX
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-SP7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	SP7 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	SP7
<b>Synonyms</b>	OSX
<b>Function</b>	Transcriptional activator essential for osteoblast differentiation (PubMed: <a href="#">23457570</a> ). Binds to SP1 and EKLF consensus sequences and to other G/C-rich sequences (By similarity).
<b>Cellular Location</b>	Nucleus {ECO:0000250 UniProtKB:Q8VI67}.
<b>Tissue Location</b>	Restricted to bone-derived cell.

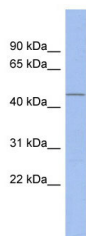
## References

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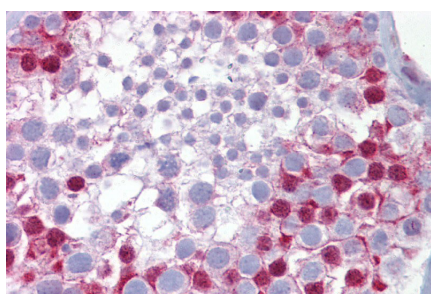
Rich,J.T., (2008) Biochem. Biophys. Res. Commun. 372 (1), 230-235 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

## Images

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WB Suggested Anti-SP7 Antibody Titration: .2-1 ug/ml  
ELISA Titer: 1:3125  
Positive Control: Human kidney



Immunohistochemistry with Testis tissue at an antibody concentration of 5ug/ml using anti-SP7 antibody (AI1328)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.