

## ARG58448 anti-Sp7 / Osterix antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Sp7 / Osterix
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Gpig, Hrs, Rb
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Sp7 / Osterix
Species	Human
Immunogen	Synthetic peptide around the C-terminal region of Human Sp7 / Osterix. (within the following sequence: RTHGEPGPGPPPSGPKELGEGRSTGEEEEASQTPRPSASPATPEKAPGGSP)
Conjugation	Un-conjugated
Alternate Names	Transcription factor Sp7; OI11; osterix; OSX; OI12; Zinc finger protein osterix

### Application Instructions

Predict Reactivity Note	Predicted homology based on immunogen sequence: Cow: 100%; Guinea Pig: 93%; Horse: 93%; Mouse: 92%; Rabbit: 86%; Rat: 93%				
Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-P</td><td>Assay-dependent</td></tr></tbody></table>	Application	Dilution	IHC-P	Assay-dependent
Application	Dilution				
IHC-P	Assay-dependent				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	Jurkat				

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

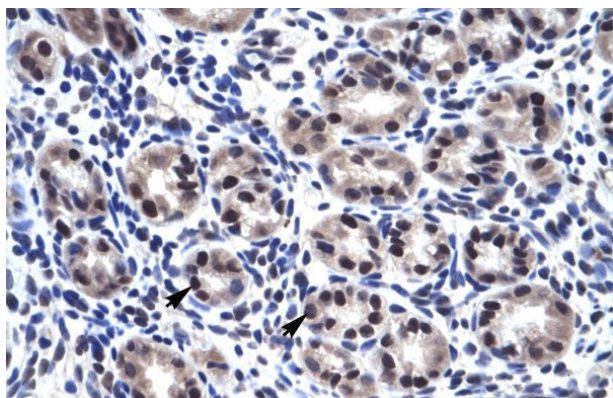
## Bioinformation

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Gene Symbol	SP7
Gene Full Name	Sp7 transcription factor
Background	This gene encodes a member of the Sp subfamily of Sp/XKLF transcription factors. Sp family proteins are sequence-specific DNA-binding proteins characterized by an amino-terminal trans-activation domain and three carboxy-terminal zinc finger motifs. This protein is a bone specific transcription factor and is required for osteoblast differentiation and bone formation.[provided by RefSeq, Jul 2010]
Function	Transcriptional activator essential for osteoblast differentiation. Binds to SP1 and EKLF consensus sequences and to other G/C-rich sequences (By similarity). [UniProt]
Calculated Mw	45 kDa
PTM	Ubiquitination at leads to proteasomal degradation. SP7 is a short-live protein with an endogenous half-life of approximately 12 hours. [UniProt]

## Images

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ARG58448 anti-Sp7 / Osterix antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestine stained with ARG58448 anti-Sp7 / Osterix antibody.