

ARG65886
anti-Sp7 / Osterix antibodyPackage: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Sp7 / Osterix
Tested Reactivity	Hu, Ms, Rat, Rb
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Sp7 / Osterix
Species	Human
Immunogen	KLH-conjugated synthetic peptide around aa. 340-400 of Human Sp7 / Osterix.
Conjugation	Un-conjugated
Alternate Names	Transcription factor Sp7; OI11; osterix; OSX; OI12; Zinc finger protein osterix

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:500
	WB	1:100 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

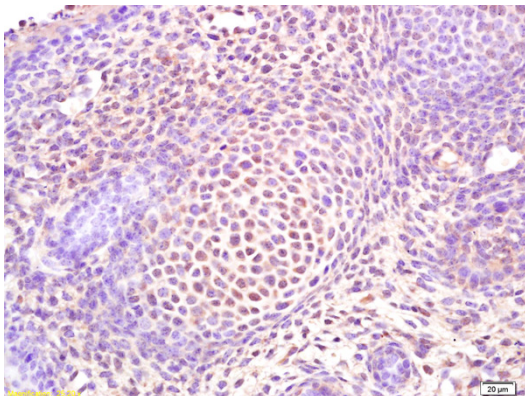
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	Aqueous buffered solution, 0.09% Sodium azide, 50% Glycerol and 1% BSA.
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol and 1% BSA
Concentration	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. 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

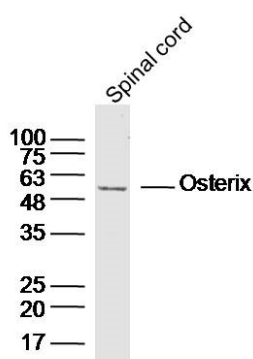
Database links	GeneID: 121340 Human GeneID: 170574 Mouse Swiss-port # Q8TDD2 Human Swiss-port # Q8VI67 Mouse
Gene Symbol	SP7
Gene Full Name	Sp7 transcription factor
Background	This gene encodes a member of the Sp subfamily of Sp/XKLF transcription factors. Sp family proteins are sequence-specific DNA-binding 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.
Cellular Localization	Nucleus

Images



ARG65886 anti-Sp7 / Osterix antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Mouse embryo stained with ARG65886 anti-Sp7 / Osterix antibody at 1:200.



ARG65886 anti-Sp7 / Osterix antibody WB image

Western blot: Mouse spinal cord lysates stained with ARG65886 anti-Sp7 / Osterix antibody at 1:300 overnight at 4°C.