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: RTHGEPGPGPPPSGPKELGEGRSTGEEEASQTPRPSASPATPEKAPGGSP)
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

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

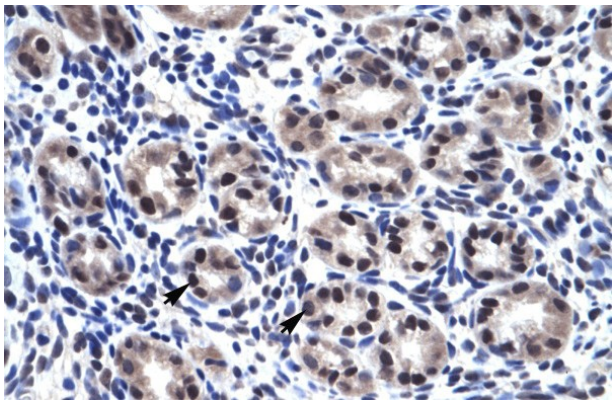
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term 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

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



ARG58448 anti-Sp7 / Osterix antibody IHC-P image

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