SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-SP7 Monoclonal Antibody

Catalog Number: SLA0960M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	3A5
GeneID:	121340
SWISS:	Q8TDD2
Target:	SP7
Immunogen:	Recombinant human Sp7 protein
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-1000) IHC-P (1:200-1000) IHC-F (1:200-1000) IF (1:200-1000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	45 kDa
Subcellular Location:	Nucleus
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]

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

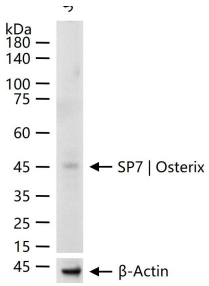


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with SP7 | Osterix monoclonal antibody, unconjugated (SLA0960M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

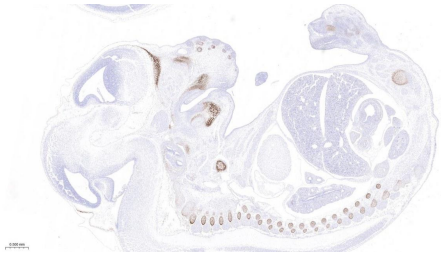


Figure 2. Paraformaldehyde-fixed, paraffin embedded Mouse Embryo; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SP7 | Osterix Monoclonal Antibody, Unconjugated (SLA0960M) at 1:800 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

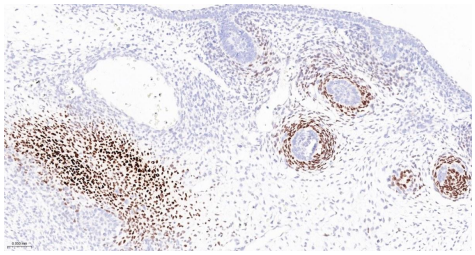


Figure 3. Paraformaldehyde-fixed, paraffin embedded Mouse Embryo; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SP7 | Osterix Monoclonal Antibody, Unconjugated (SLA0960M) at 1:800 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

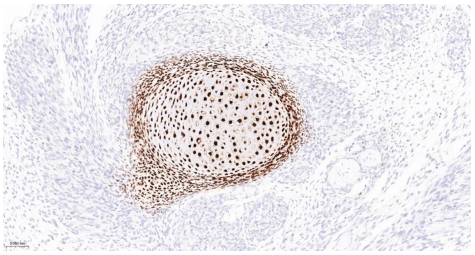


Figure 4. Paraformaldehyde-fixed, paraffin embedded Rat Embryo; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SP7 | Osterix Monoclonal Antibody, Unconjugated (SLA0960M) at 1:800 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

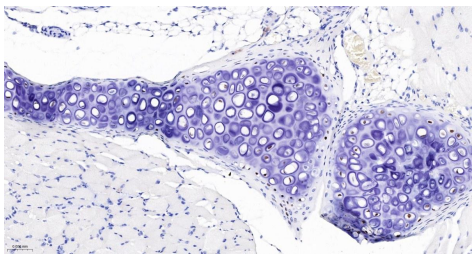


Figure 5. Paraformaldehyde-fixed, paraffin embedded Mouse cartilage; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SP7 | Osterix Monoclonal Antibody, Unconjugated (SLA0960M) at 1:800 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

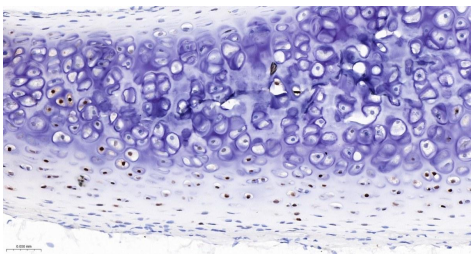


Figure 6. Paraformaldehyde-fixed, paraffin embedded Rat cartilage; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SP7 | Osterix Monoclonal Antibody, Unconjugated (SLA0960M) at 1:800 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

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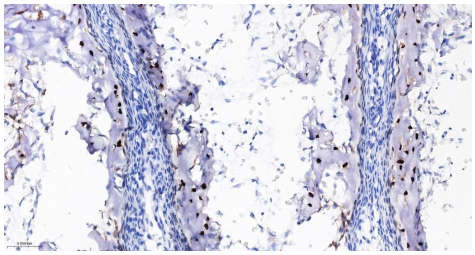


Figure 7. Paraformaldehyde-fixed, paraffin embedded Mouse bone; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SP7 | Osterix Monoclonal Antibody, Unconjugated (SLA0960M) at 1:800 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.
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