antibodies -online.com







anti-SP7 antibody (AA 331-431)



Publications



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Quantity:	100 μL
Target:	SP7
Binding Specificity:	AA 331-431
Reactivity:	Human, Mouse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SP7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Osterix	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rabbit	
Predicted Reactivity:	Rat,Dog,Cow,Pig,Horse	
Purification:	Purified by Protein A.	

Target Details

Target:	SP7	
Alternative Name:	Osterix (SP7 Products)	
Background: Synonyms: OSX, OI11, OI12, osterix, Transcription factor Sp7, Zinc finger protein osterix, S		

Target Details

Larget Details		
	Background: Transcriptional activator essential for osteoblast differentiation. Binds to SP1 and	
	EKLF consensus sequences and to other G/C-rich sequences (By similarity).	
Gene ID:	121340	
UniProt:	Q8TDD2	
Application Details		
Application Notes:	WB 1:300-5000	
	ELISA 1:500-1000	
	IHC-P 1:200-400	
	IHC-F 1:100-500	
	IF(IHC-P) 1:50-200	
	IF(IHC-F) 1:50-200	
	IF(ICC) 1:50-200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
Expiry Date:	12 months	
Publications		
Product cited in:	Li, Xu, Xing, Qian, Chen, Gu, Guo, Lai, Zhao, Li, Wang, Wang, Deng: "A Conditional Knockout	

Mouse Model Reveals a Critical Role of PKD1 in Osteoblast Differentiation and Bone

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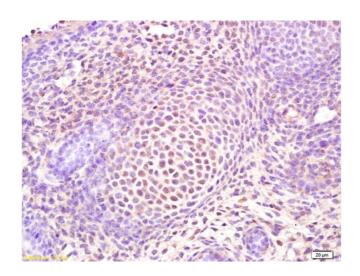
Agarwal, Loder, Cholok, Peterson, Li, Fireman, Breuler, Hsieh, Ranganathan, Hwang, Drake, Li, Chan, Longaker, Levi: "Local and Circulating Endothelial Cells Undergo Endothelial to Mesenchymal Transition (EndMT) in Response to Musculoskeletal Injury." in: **Scientific reports**, Vol. 6, pp. 32514, (2016) (PubMed).

Tang, Tan, Ni, Wang, Zhu, Fan, Chen, Yang, Zhang: "Comparison of ectopic bone formation process induced by four calcium phosphate ceramics in mice." in: **Materials science & engineering. C, Materials for biological applications**, Vol. 70, Issue Pt 2, pp. 1000-1010, (2016) (PubMed).

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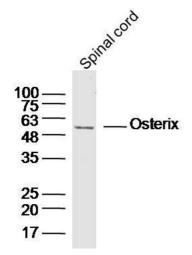
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Images



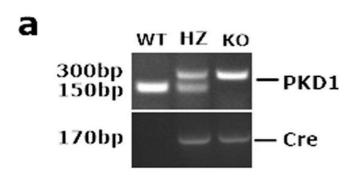
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse embryo labeled with Rabbit Anti Osterix Polyclonal Antibody, Unconjugated (ABIN737811) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 2. Mouse spinal cord lysates probed with Osterix Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.



Western Blotting

Image 3. PKD1 was deleted specifically in transgenic mice.(a) Representative genotyping PCR for PKD1 floxed and cre transgene relative to wild type PKD1. The genome of littermates knockout (KO) carried two copy of PKD1floxed and one copy of the OSX-Cre gene (Osx::PKD1fl/fl mice), the genome of littermates heterozygou (HZ) carried one copy of PKD1 floxed and the OSX-Cre gene (Osx-Cre::PKD1fl/+), and the genome of crenull littermates control only carried PKD1floxed gene (wild type control, WT). (b) Representative Western blotting for the expression of PKD1 and internal control of alpha tubulin (α -tub) in calvariae and long bone derived from 4-week-old KO or WT mice. Uncropped western blot images corresponding to Fig. 1(b,c) were shown in supplementary information file. Tissues were pooled from WT or KO mice (n=3), experiments were repeated twice using mice from different litters. (c) Western blotting for the expression of PKD1 and internal control ofα-tub in heart, liver, kidney, lung and spleen from the same age WT or KO mice. All Band densities of PKD1were normalized to a-tublin content within each sample. - figure provided by CiteAb. Source: PMID28084409

Please check the product details page for more images. Overall 5 images are available for ABIN737811.