

SP7/Osterix Rabbit pAb

Catalog Number: bs-1110R

Target Protein: SP7/Osterix

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), ELISA (1:5000-10000)

Reactivity: Human, Mouse

Predicted MW: 45 kDa

Detected MW: 45-50/56 kDa

Entrez Gene: 121340

Swiss Prot: Q8TDD2

Source: KLH conjugated synthetic peptide derived from human SP7: 271-380/431.

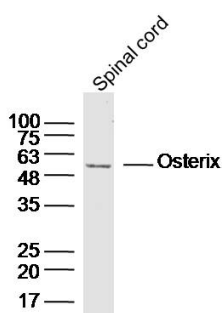
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

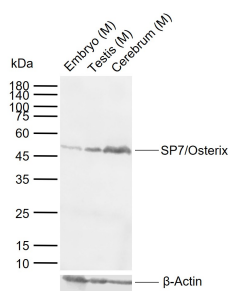
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

VALIDATION IMAGES



Sample: Spinal cord (Mouse) Lysate at 40 ug Primary: Anti-Osterix(bs-1110R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45kD Observed band size: 50kD



Sample: Lane 1: Mouse Embryo tissue lysates Lane 2: Mouse Testis tissue lysates Lane 3: Mouse Cerebrum tissue lysates Primary: Anti-SP7/Osterix (bs-1110R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kDa Observed band size: 47 kDa

PRODUCT SPECIFIC PUBLICATIONS

[IF=29] Dan Wang. et al. Gut microbial alterations in arginine metabolism determine bone mechanical adaptation. CELL METAB. 2024 五月 07 WB ; Mouse . 38718794

[IF=10.2] Chen Xinping. et al. mPPTMP195 nanoparticles enhance fracture recovery through HDAC4 nuclear translocation inhibition. J NANOBIOTECHNOL. 2024 Dec;22(1):1-18 WB ; Mouse . 38760744

[IF=8.724] Yong Tang. et al. Phosphorylation inhibition of protein-tyrosine phosphatase 1B tyrosine-152 induces bone regeneration coupled with angiogenesis for bone tissue engineering. Bioact Mater. 2021 Jul;6:2039 IF,IHC ; Mouse . 33511306

[IF=7.571] Rui Zhang. et al. Multifunctional silicon calcium phosphate composite scaffolds promote stem cell recruitment and bone regeneration. J MATER CHEM B. 2022 Jun;; IHC ; Rat . 35737023

[IF=6.52] Agarwal, Shailesh, et al. "Analysis of bone - cartilage - stromal progenitor populations in trauma induced and genetic models of heterotopic ossification." STEM CELLS (2016). IHC ; ="Mouse" . 27068890