bs-25532R

[Primary Antibody]

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Osterix Rabbit pAb

GenelD: 170574 **SWISS:** Q5RM08

Target: Osterix

Immunogen: KLH conjugated synthetic peptide derived from mouse Osterix:

370-428/428.

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°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 transactivation 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]

Applications: WB (1:500-2000)

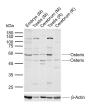
Reactivity: Mouse, Rat

(predicted: Human, Cow)

Predicted MW.: 45 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Lane 1: Mouse Embryo tissue lysates Lane 2: Mouse Testis tissue lysates Lane 3: Mouse Cerebrum tissue lysates Lane 4: Rat Testis tissue lysates Lane 5: Rat Cerebrum tissue lysates Primary: Anti-Osterix (bs-25532R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kDa Observed band size: 50,58 kDa

— SELECTED CITATIONS –

- [IF=16.6] Shao Xi. et al. Rescuing SERCA2 pump deficiency improves bone mechano-responsiveness in type 2 diabetes by shaping osteocyte calcium dynamics. NAT COMMUN. 2024 Jan;15(1):1-22 WB; Mouse. 38291059
- [IF=6.8] Jingxi Xu. et al. Titanium dioxide nanoparticles oral exposure induce osteoblast apoptosis, inhibit osteogenic ability and increase lipogenesis in mouse. ECOTOX ENVIRON SAFE. 2024 Jun;277:116367 WB,ICC,IF; Mouse. 38669870
- [IF=4.8] Guijiang Huang. et al. Osteoking inhibits apoptosis of BMSCs in osteoporotic rats via PI3K/AKT signaling pathway. J ETHNOPHARMACOL. 2024 Dec;:118961 WB; Rat. 39653105
- [IF=4.8] Yingying Wu. et al. Zirconia/dental pulp stem cell composite scaffolds repair osteogenic defect via regulating macrophages. FRONT BIOENG BIOTECH. 2025 Aug;13: WB;Rat. 40948971
- [IF=4.5] Tian Tu. et al. Enhancing fibroblast-based bone regeneration by harnessing nanosecond pulsed electric field.