bs-25532R **[Primary Antibody]**

Osterix Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 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 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]

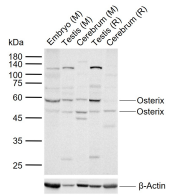
Applications: **WB** (1:500-2000)

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