bs-11740R **[Primary Antibody]**

EBF2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 64641 **SWISS:** Q9HAK2

Target: EBF2

Immunogen: KLH conjugated synthetic peptide derived from human EBF2: 331-400/575.

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: Early B-cell factor 2 is a 575 amino acid protein belonging to the COE family of proteins, whose members are all helix-loop-helix transcription factors. EBF2 is a transcription factor which, in synergy with the Wnt-responsive LEF1/CTNNB1 pathway, activates the decoy receptor for RANKL, OPG, in osteoblasts. OPG, in turn, regulates osteoclast differentiation. Lack of EBF2 has been found to cause a small defect in the terminal differentiation of osteoblasts, along with reduced bone mass and an increase in osteoclasts. Localized to the nucleus, EBF2 forms a homodimer or a heterodimer with a related family member.

Applications: **ELISA** (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: 63 kDa

Subcellular Location: Nucleus

SELECTED CITATIONS

- **[IF=14.919]** Chen, Yan-Ting. et al. Imprinted lncRNA Dio3os preprograms intergenerational brown fat development and obesity resistance. Nat Commun. 2021 Nov;12(1):1-18 FCM ;Mouse. 34824246
- **[IF=6.78]** Andrea Estefanía Portales. et al. CDK4/6 are necessary for UCP1-mediated thermogenesis of white adipose tissue. LIFE SCI. 2023 Jun;322:121652 FCM ;Mouse. 37011871