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Datasheet for ABIN1393042

anti-EBF2 antibody (AA 331-400) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	EBF2
Binding Specificity:	AA 331-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EBF2 antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human EBF2
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	EBF2
Alternative Name:	EBF2 (EBF2 Products)
Background:	Synonyms: COE 2, COE2, Collier Olf and EBF 2, Early B cell factor 2, EBF 2, FLJ11500,

Target Details

Metencephalon mesencephalon olfactory transcription factor 1, O/E 3, O/E3, OE 3, OE3, OLF 1/EBF like 3, Transcription factor COE2, COE2_HUMAN.

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.

Gene ID: 64641

UniProt: [Q9HAK2](#)

Application Details

Application Notes: 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: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months