BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zinc finger protein 521 ZNF521 Antibody

Catalog Number: A06292-1

About ZNF521

The zinc finger protein 521 (ZNF521) is a transcription factor containing an N-terminal transcriptional repressor motif and 30 zinc finger domains. It plays a role in both erythroid cell and osteoblast differentiation during development, inhibiting the activities of early B-cell factor 1 (EBF1) in erythroid cells and Runx2 in osteoblast precursors. ZFP521 binds to both Runx2 and histone deacetylase 3 (HDAC3), promotes their association and antagonizes Runx2 transcriptional activity in a HDAC3-dependent manner, thereby regulating osteoblast differentiation, skeletal development, and bone homeostasis.

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Overview

Product Name	Anti-Zinc finger protein 521 ZNF521 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Zinc finger protein 521 ZNF521 Antibody (Catalog # A06292-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	ZNF521 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	ZNF521 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96K83

Technical Details

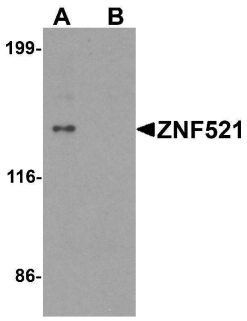
Immunogen	ZNF521 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human ZNF521. The immunogen is located within the first 50 amino acids of ZNF521.
Predicted Reactive Species	Mouse
Cross Reactivity	ZNF521 antibody is human specific.

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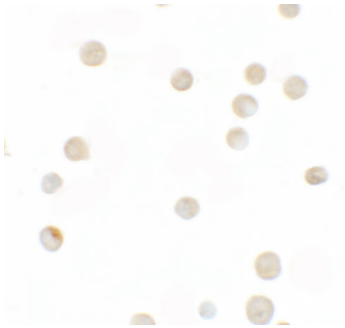
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ZNF521 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ZNF521 antibody can be used for detection of ZNF521 by Western blot at 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 2.5 ug/mL. For immunofluorescence start at 2.5 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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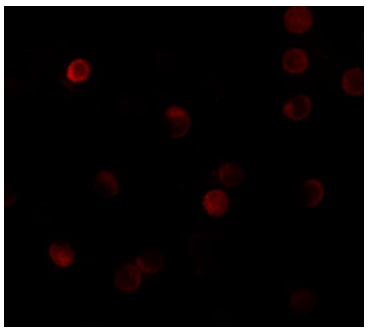
Anti-Zinc finger protein 521 ZNF521 Antibody (A06292-1) Images



Western blot analysis of ZNF521 in HeLa cell lysate with ZNF521 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



Immunocytochemistry of ZNF521 in HeLa cells with ZNF521 antibody at 2.5 ug/mL.



Immunofluorescence of ZNF521 in HeLa cells with ZNF521 antibody at 20 ug/mL.

Anti-Zinc finger protein 521 ZNF521 Antibody

For Research Use Only. Not for use in diagnostic procedures.