Datasheet for 600-401-GG3

ZNF521 Antibody

Overview

Description:	Anti-ZNF521 (RABBIT) Antibody - 600-401-GG3
Item No.:	600-401-GG3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	ZNF521 Antibody, EHZF, Evi3, EHZF, LIP3, Zinc finger protein 521, Early hematopoietic zinc finger protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ZNF521
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ZNF521 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the N-terminus of human ZNF521.

Purity/Specificity:	Anti-ZNF521 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. ZNF521 antibody is human specific.
Relevant Links:	• UniProtKB - Q96K83 • GeneID - 25925 • NCBI - NP_001295154.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-ZNF521 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 148 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	2.5 µg/mL
WB:	1 µg/mL

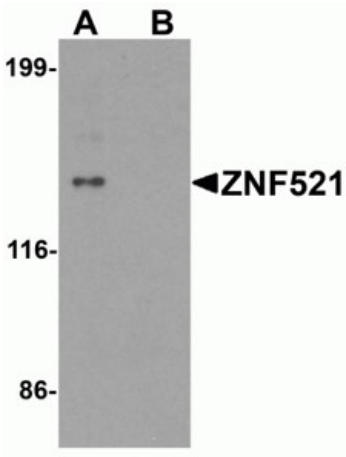
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

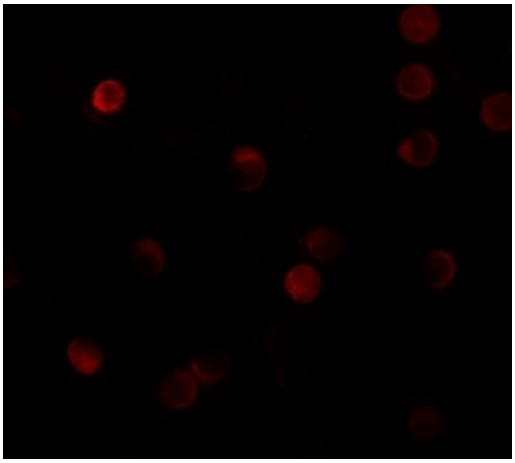
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western blot analysis of ZNF521.
Load: HeLa cell lysate.
Primary Antibody: ZNF521 antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence Microscopy
Immunofluorescence of ZNF521.
Cell: HeLa cells.
Primary Antibody: ZNF521 antibody at 20 µg/mL.

Immunocytochemistry
Immunocytochemistry of ZNF521.
Cell: HeLa cells.
Primary Antibody: ZNF521 antibody at 2.5 µg/mL.

Disclaimer

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