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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-ZBTB5 Antibody

Catalog Number: A14543

About ZBTB5

The ZBTB family of proteins is comprised of diverse zinc finger proteins that also contain a BTB (BR-C, ttk and bab) domain. ZBTB5 was identified though sequence analysis as a POZ domain Kruppel-like zinc finger (POK) protein. Further experiments indicated that it binds DNA and can directly repress transcription of the cell cycle arrest gene p21. ZBTB5 can also interact with co-repressor histone deacetylase complexes such as BCoR, NCoR, and SMRT via its POZ domain, resulting in deacetylation of histones Ac-H3 and Ac-H4 at the proximal promoter. ZBTB5 stimulates both cell proliferation and cell cycle progression, suggesting that it may act as a potential proto-oncogene.

Overview

Product Name	Anti-ZBTB5 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ZBTB5 Antibody (Catalog # A14543). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	ZBTB5 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	ZBTB5 antibody can be stored at 4°C for three months and -20°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	O15062

Technical Details

Immunogen	ZBTB5 antibody was raised against a 16 amino acid synthetic peptide near the carboxy terminus of human ZBTB6. The immunogen is located within the last 50 amino acids of ZBTB5.
Predicted Reactive Species	Bovine
Cross Reactivity	At least two isoforms of ZBTB5 are known to exist; this antibody will recognize both isoforms. This antibody is predicted to not cross-react with other ZBTB protein family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ZBTB5 Antibody is affinity chromatography purified via peptide column.

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Suggested Dilutions	ZTBT5 antibody can be used for detection of ZTBT5 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry 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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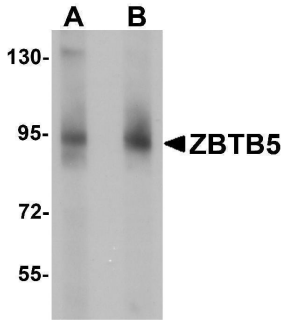
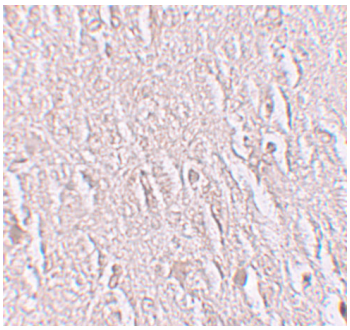
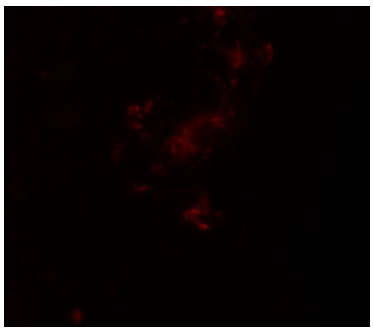
Anti-ZBTB5 Antibody (A14543) Images



Western blot analysis of ZBTB5 in mouse brain tissue lysate with ZBTB5 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of ZBTB5 in human brain tissue with ZBTB5 antibody at 2.5 ug/mL.



Immunofluorescence of ZBTB5 in human brain tissue with ZBTB5 antibody at 20 ug/mL.

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Anti-ZBTB5 Antibody

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