

Anti-ZBTB4 Antibody

Catalog Number: A08155

About ZBTB4

The ZBTB family of proteins is comprised of diverse zinc finger proteins that also contain a BTB (BR-C, ttk and bab) domain. Similar to Kaiso, a zinc-finger containing protein that can bind methylated CpGs, ZBTB4 can also bind methylated DNA and repress transcription. ZBTB4 has been shown to associate with the Sin3/histone deacetylase co-repressor and repress expression of P21CIP1 as part of a heterodimeric complex with Miz1. In cultured cells, depletion of ZBTB4 promotes cell cycle arrest in response to p53 activation and suppresses apoptosis through regulation of P21CIP1, suggesting that ZBTB4 is a critical determinant of the cellular response to p53 activation. HIPK2, a kinase that is involved in cellular proliferation and survival, phosphorylates and down-regulates ZBTB4 under normal cell growth conditions; this degradation increases with DNA damage.

Overview

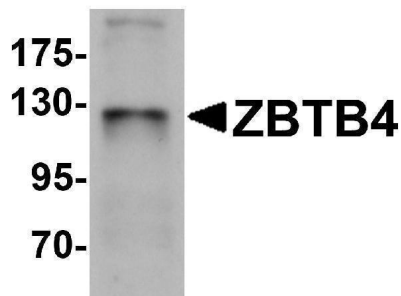
Product Name	Anti-ZBTB4 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-ZBTB4 Antibody (Catalog # A08155). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	ZBTB4 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9P1Z0

Technical Details

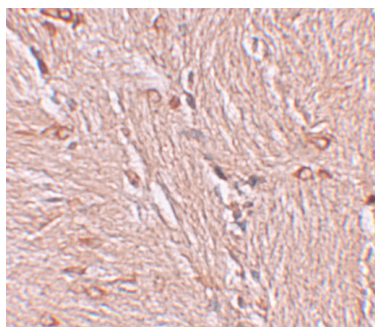
Immunogen	ZBTB4 antibody was raised against a 18 amino acid synthetic peptide near the carboxy terminus of human ZBTB4. The immunogen is located within amino acids 790 - 840 of ZBTB4.
Predicted Reactive Species	Rat
Cross Reactivity	At least four isoforms of ZBTB4 are known to exist; this antibody will only recognize the longest isoform. This antibody is predicted to not cross-react with other ZBTB protein family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	ZBTB4 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ZBTB4 antibody can be used for detection of ZBTB4 by Western blot at 1 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 human 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.

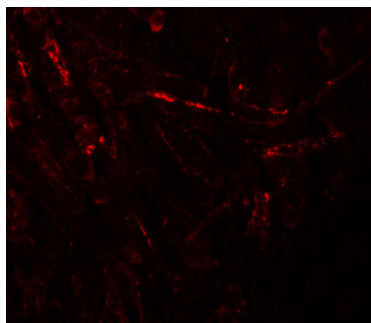
Anti-ZBTB4 Antibody (A08155) Images



Western blot analysis of ZBTB4 in SK-N-SH cell lysate with ZBTB4 antibody at 1 ug/mL.



Immunohistochemistry of ZBTB4 in human brain tissue with ZBTB4 antibody at 2.5 ug/mL.



Immunofluorescence of ZBTB4 in human brain tissue with ZBTB4 antibody at 20 ug/mL.

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Anti-ZBTB4 Antibody

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