

Product datasheet for **TA319989**

ZBTB4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	ZBTB4 antibody was raised against a 18 amino acid synthetic peptide near the carboxy terminus of human ZBTB4.
Formulation:	ZBTB4 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	ZBTB4 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	zinc finger and BTB domain containing 4
Database Link:	NP_065950 Entrez Gene 75580 Mouse Entrez Gene 57659 Human Q9P1Z0



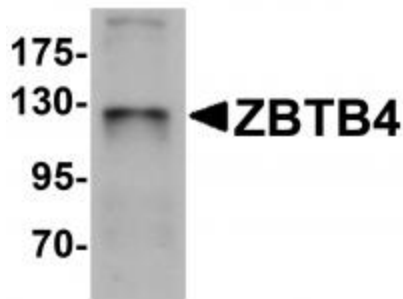
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Background:

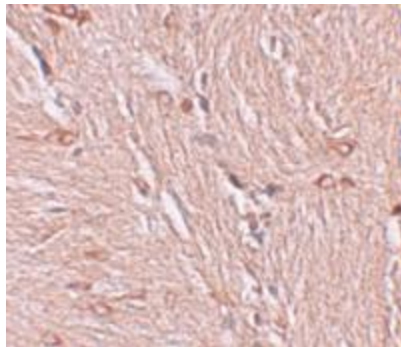
ZBTB4 Antibody: The ZBTB family of proteins is comprised of diverse zinc finger proteins that also contain a BTB (BR-C, ttk and bab) domain. Similar to Kaiso, a zinc-finger containing protein that can bind methylated CpGs, ZBTB4 can also bind methylated DNA and repress transcription. ZBTB4 has been shown 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.

Synonyms:

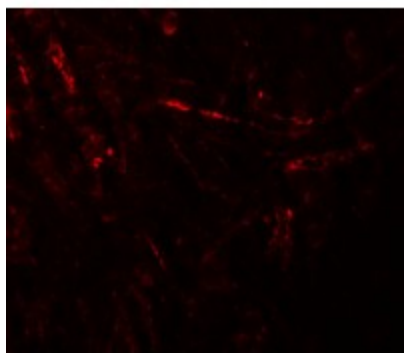
KAISO-L1; ZNF903

Product 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.