

ZBTB2 Antibody

Catalog # ASC10823

Product Information

Application	WB, E
Primary Accession	Q9Y2K1
Other Accession	AAH50719 , 29792103
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	82016
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ZBTB2 antibody can be used for detection of ZBTB2 by Western blot at 1 μ g/mL.

Additional Information

Gene ID	22890
Other Names	Zinc finger and BTB domain-containing protein 1, ZBTB1, KIAA0997
Target/Specificity	ZBTB1; This ZBTB2 antibody will not cross-react with ZBTB1.
Reconstitution & Storage	ZBTB2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	ZBTB2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZBTB1
Synonyms	KIAA0997
Function	Acts as a transcriptional repressor (PubMed: 20797634). Represses cAMP-responsive element (CRE)-mediated transcriptional activation (PubMed: 21706167). In addition, has a role in translesion DNA synthesis. Requires for UV-inducible RAD18 loading, PCNA monoubiquitination, POLH recruitment to replication factories and efficient translesion DNA synthesis (PubMed: 24657165). Plays a key role in the transcriptional regulation of T lymphocyte development (By similarity).
Cellular Location	Nucleus. Nucleus, nucleoplasm. Note=Localized in dot-like structures in the

nucleus (PubMed:21706167). Colocalized with SMRT in nuclear bodies (PubMed:20797634). The sumoylated form is preferentially located in the nucleoplasm outside the nuclear bodies (PubMed:20797634).

Background

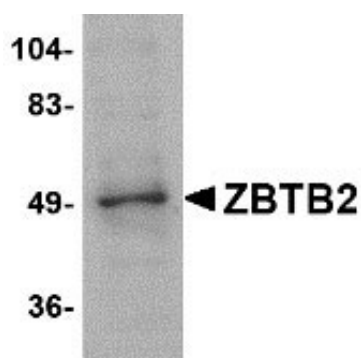
ZBTB2 Antibody: ZBTB2 is a zinc finger protein that also contains BTB (BR-C, ttk and bab) domain. While little is known about this protein or the related protein ZBTB1, ZBTB2 is thought to be phosphorylated in response to the DNA damage, probably by either ATM or ATR. At least two isoforms of ZBTB2 are known to exist.

References

Strausberg RL, Feingold EA, Grouse LH, et al. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. *Proc. Natl. Acad. Sci. USA*2002; 99:16899-903.

Matsuoka S, Ballif BA, Smogorzewska A, et al. ATM and ATR substrate analysis reveals extensive protein networks responsive to DNA damage. *Science*2007; 1160-1166.

Images



Western blot analysis of ZBTB2 in PC-3 cell lysate with ZBTB2 antibody at 1 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.