

ZBTB3 Antibody

Catalog # ASC11260

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9H5J0
Other Accession	AAH25249 , 13376146
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	61827
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ZBTB3 antibody can be used for detection of ZBTB3 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Other Names	Zinc finger and BTB domain-containing protein 3, ZBTB3
Target/Specificity	ZBTB3; At least three isoforms of ZBTB3 are known to exist. This antibody is predicted to not cross-react with other ZBTB protein family members.
Reconstitution & Storage	ZBTB3 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	ZBTB3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZBTB3
Function	May be involved in transcriptional regulation.
Cellular Location	Nucleus.

Background

ZBTB3 Antibody: The ZBTB family of proteins is comprised of diverse zinc finger proteins that also contain a BTB (BR-C, ttk and bab) domain. While little is known about ZBTB3, the related protein ZBTB2 is thought to

be phosphorylated in response to the DNA damage, probably by either ATM or ATR. Other ZBTB proteins, such as ZBTB4 and ZBTB38 bind methylated DNA and repress transcription, suggesting that ZBTB3 may also act as a transcription repressor.

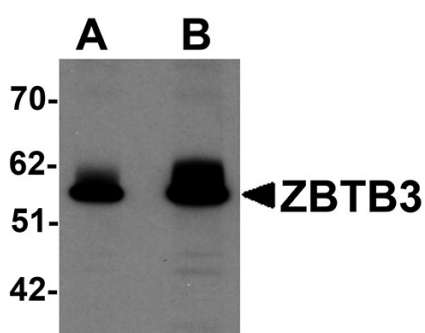
References

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.

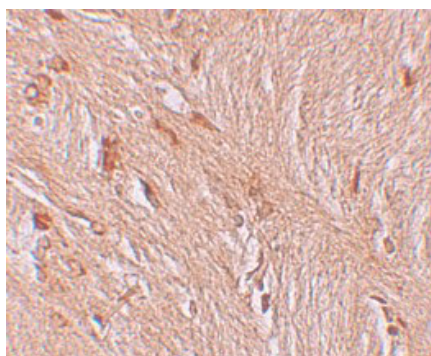
Matsuoka S, Ballif BA, Smogorzewska A, et al. ATM and ATR substrate analysis reveals extensive protein networks responsive to DNA damage. *Science* 2007; 1160-1166.

Filion GJP, Zhenilo S, Salozhin S, et al. A family of zinc finger proteins that bind methylated DNA and repress transcription. *Mol. Cell. Biol.* 2006; 26:169-81.

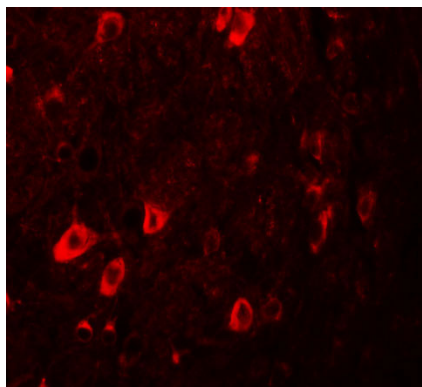
Images



Western blot analysis of ZBTB3 in rat brain tissue lysate with ZBTB3 antibody at (A) 1 and (B) 2 $\mu\text{g/mL}$.



Immunohistochemistry of ZBTB3 in human brain tissue with ZBTB3 antibody at 2.5 $\mu\text{g/mL}$.



Immunofluorescence of ZBTB3 in human brain tissue with ZBTB3 antibody at 20 $\mu\text{g/mL}$.

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