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ZBTB6 Antibody

Catalog # ASC11263

Product Information

Application	WB, IF, ICC, E
Primary Accession	Q15916
Other Accession	AAH37282, 5730122
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	48236
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ZBTB6 antibody can be used for detection of ZBTB6 by Western blot at 1 g/mL. Antibody can also be used for immunocytochemistry starting at 5 g/mL. For immunofluorescence start at 5 g/mL.

Additional Information

Gene ID	10773
Other Names	Zinc finger and BTB domain-containing protein 6, Zinc finger protein 482, Zinc finger protein with interaction domain, ZBTB6, ZID, ZNF482
Target/Specificity	ZBTB6; At least two isoforms of ZBTB6 are known to exist; this antibody will only recognize the shorter isoform. This antibody is predicted to not cross-react with other ZBTB protein family members.
Reconstitution & Storage	ZBTB6 antibody can be stored at 4℃ for three months and -20℃, 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	ZBTB6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZBTB6
Synonyms	ZID, ZNF482
Function	May be involved in transcriptional regulation.
Cellular Location	Nucleus.
Tissue Location	Widely expressed with highest levels in brain.

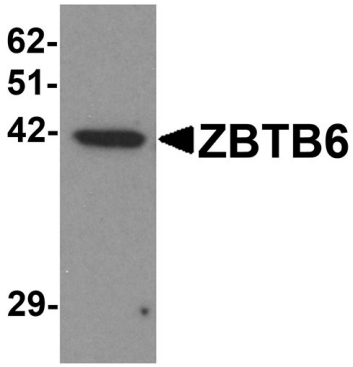
Background

ZBTB6 Antibody: The ZBTB family of proteins is comprised of diverse zinc finger proteins that also contain a BTB (BR-C, ttk and bab) domain. ZBTB6, also known as ZNF482, is highly expressed in brain. While little is known about ZBTB6, other ZBTB proteins, such as ZBTB4 bind methylated DNA and repress transcription. Another ZBTB family member, ZBTB5, also acts as a transcriptional repressor, and can interact with co-repressor histone deacetylase complexes such as BCoR, NCoR, and SMRT via its POZ domain, suggesting that ZBTB6 may also act as a transcriptional 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. USA2002; 99:16899-903.
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.
Koh D, Choi W, Jeon B, et al. A novel POK family transcription factor, ZBTB5, represses transcription of p21CIP1 gene. J. Biol. Chem.2009; 284:19856-66.

Images

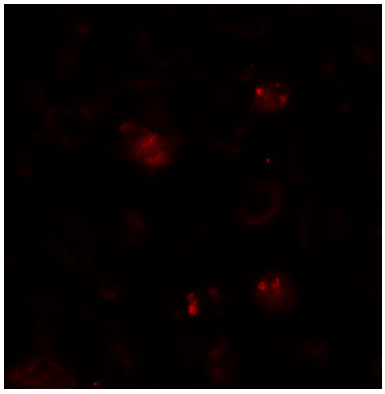


Western blot analysis of ZBTB6 in EL4 cell lysate with ZBTB6 antibody at 1 µg/mL.



Immunocytochemistry of ZBTB6 in EL4 cells with ZBTB6 antibody at 5 µg/mL.

Immunofluorescence of ZBTB6 in EL4 cells with ZBTB6 antibody at 20 µg/mL.



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