

ZBTB40 Antibody

Catalog # ASC11498

Product Information

Application	WB, IF, E
Primary Accession	Q9NUA8
Other Accession	NP_055685 , 139394556
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	138118
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ZBTB40 antibody can be used for detection of ZBTB40 by Western blot at 0.5 μ g/mL. Antibody can also be used for immunofluorescence starting at 20 μ g/mL. For immunofluorescence start at 5 μ g/mL.

Additional Information

Gene ID	9923
Other Names	Zinc finger and BTB domain-containing protein 40, ZBTB40, KIAA0478
Target/Specificity	ZBTB40; ZBTB40 antibody is human specific. At least two isoforms of ZBTB40 are known to exist. This antibody is predicted to not cross-react with other ZBTB protein family members.
Reconstitution & Storage	ZBTB40 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	ZBTB40 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZBTB40
Synonyms	KIAA0478
Function	May be involved in transcriptional regulation.
Cellular Location	Nucleus.

Background

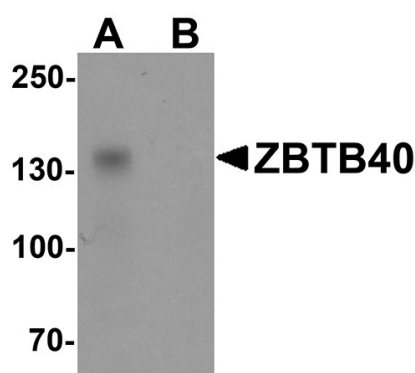
ZBTB40 Antibody: The ZBTB family of proteins is comprised of diverse zinc finger proteins that also contain a BTB (BR-C, ttk and bab) domain. While little is known about ZBTB40, other ZBTB proteins, such as ZBTB4 bind methylated DNA and repress transcription. Single nucleotide polymorphisms near ZBTB40 have been linked to differences in bone mineral density of the hip and lumbar spine, and had a significant association with low-trauma fractures suggesting that ZBTB40 may be involved in bone development and formation.

References

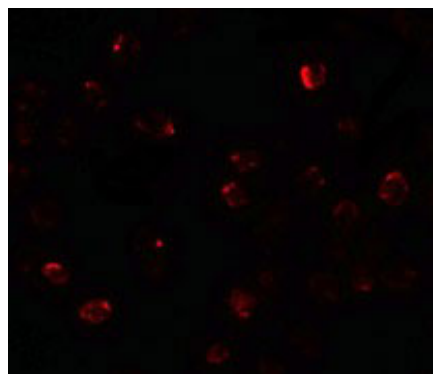
Filion GJP, Zhenilo S, Salozhin S, et al. A family of zinc finger proteins that bind methylated DNA and repress transcription. *Mol. Cell. Biol.* 2006; 26:169-81.

Styrkarsdottir U, Halldorsson BV, Gretarsdottir S, et al. Multiple genetic loci for bone mineral density and fractures. *New Eng. J. Med.* 2008; 358:2355-65.

Images



Western blot analysis of ZBTB40 in Raji cell lysate with ZBTB40 antibody at 0.5 $\mu\text{g/ml}$ in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of ZBTB40 in Raji cells with ZBTB40 antibody at 20 $\mu\text{g/mL}$.

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