

ZBTB9 Antibody

Catalog # ASC11266

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q96C00
Other Accession	NP_689948 , 23308693
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	50602
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ZBTB9 antibody can be used for detection of ZBTB9 by Western blot at 1 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 5 μ g/mL.

Additional Information

Gene ID	221504
Other Names	Zinc finger and BTB domain-containing protein 9, ZBTB9
Target/Specificity	ZBTB9; This antibody is predicted to not cross-react with other ZBTB protein family members.
Reconstitution & Storage	ZBTB9 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	ZBTB9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZBTB9
Function	May be involved in transcriptional regulation.
Cellular Location	Nucleus.

Background

ZBTB9 Antibody: The ZBTB family of proteins is comprised of diverse zinc finger proteins that also contain a

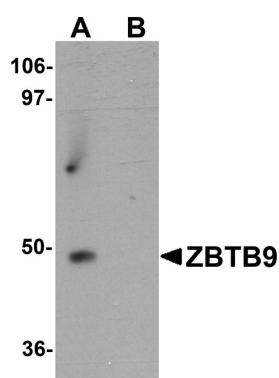
BTB (BR-C, ttk and bab) domain. ZBTB9, also known as ZNF919, is present in multiple tissues, and is highly expressed in the cytoplasm of the placenta. While little is known about ZBTB9, other ZBTB proteins, such as ZBTB4 bind methylated DNA and repress transcription. Another ZBTB proteins, ZBTB7A, has been implicated as a proto-oncogene whose overexpression contributes to malignancy in breast cancer, suggesting that ZBTB9 may act as a transcriptional repressor or be involved in tumorigenesis.

References

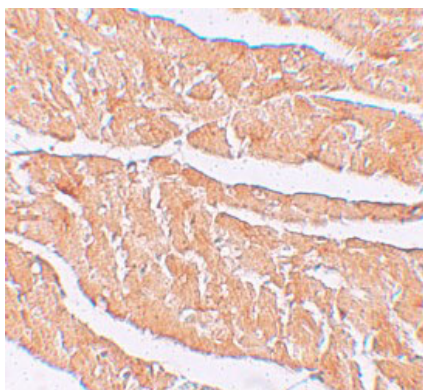
Filion GJP, Zhenilo S, Salozhin S, et al. A family of zinc finger proteins that bind methylated DNA and repress transcription. *Mol. Cell. Biol.* 2006; 26:169-81.

Qu H, Qu D, Chen F, et al. ZBTB7 overexpression contributes to malignancy in breast cancer. *Cancer Invest.* 2010; 28:672-8.

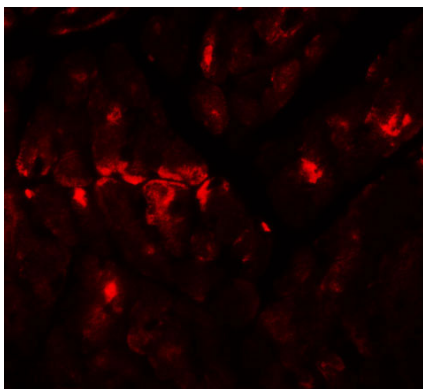
Images



Western blot analysis of ZBTB9 in mouse heart tissue lysate with ZBTB9 antibody at 1 $\mu\text{g/mL}$ in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of ZBTB9 in mouse heart tissue with ZBTB9 antibody at 2.5 $\mu\text{g/mL}$.



Immunofluorescence of ZBTB9 in mouse heart tissue with ZBTB9 antibody at 20 $\mu\text{g/mL}$.