

**ZBTB5 Antibody**  
**Catalog # ASC11262****Specification**

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**ZBTB5 Antibody - Product Information**

Application	WB, IHC-P, IF, E
Primary Accession	<a href="#">O15062</a>
Other Accession	<a href="#">NP_055687</a> , <a href="#">7662074</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	ZBTB5 antibody can be used for detection of ZBTB5 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

**ZBTB5 Antibody - Additional Information**

Gene ID 9925

**Target/Specificity**

ZBTB5; At least two isoforms of ZBTB5 are known to exist; this antibody will recognize both isoforms. This antibody is predicted to not cross-react with other ZBTB protein family members.

**Reconstitution & Storage**

ZBTB5 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**

ZBTB5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**ZBTB5 Antibody - Protein Information****Name** ZBTB5**Synonyms** KIAA0354**Function**

May be involved in transcriptional regulation.

**Cellular Location**

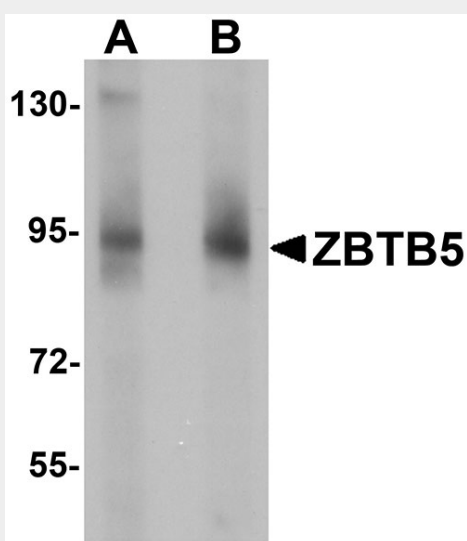
Nucleus.

## ZBTB5 Antibody - Protocols

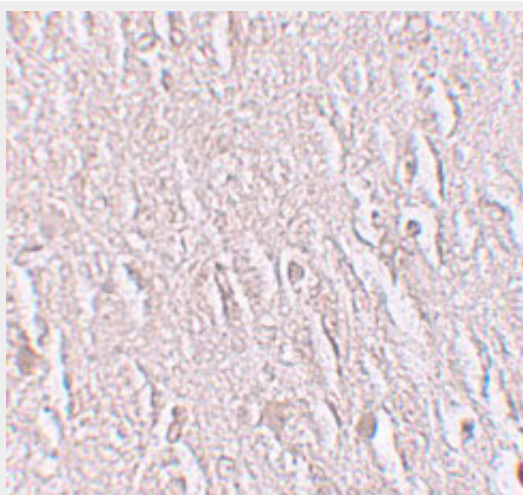
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

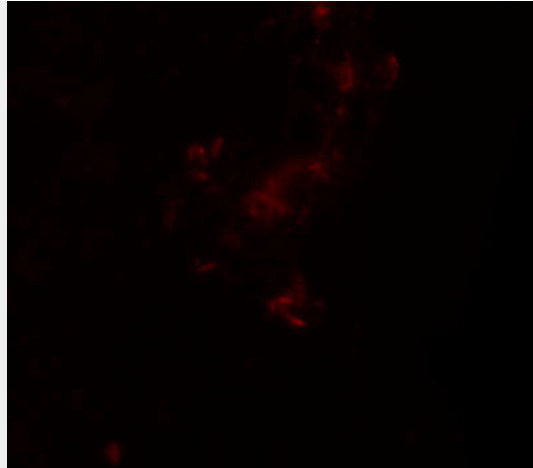
## ZBTB5 Antibody - Images



Western blot analysis of ZBTB5 in mouse brain tissue lysate with ZBTB5 antibody at (A) 1 and (B) 2  $\mu$ g/mL.



Immunohistochemistry of ZBTB5 in human brain tissue with ZBTB5 antibody at 2.5  $\mu$ g/mL.



Immunofluorescence of ZBTB5 in human brain tissue with ZBTB5 antibody at 20 µg/mL.

### **ZBTB5 Antibody - Background**

**ZBTB5 Antibody:** The ZBTB family of proteins is comprised of diverse zinc finger proteins that also contain a BTB (BR-C, ttk and bab) domain. ZBTB5 was identified through sequence analysis as a POZ domain Kruppel-like zinc finger (POK) protein. Further experiments indicated that it binds DNA and can directly repress transcription of the cell cycle arrest gene p21. ZBTB5 can also interact with co-repressor histone deacetylase complexes such as BCoR, NCoR, and SMRT via its POZ domain, resulting in deacetylation of histones Ac-H3 and Ac-H4 at the proximal promoter. ZBTB5 stimulates both cell proliferation and cell cycle progression, suggesting that it may act as a potential proto-oncogene.

### **ZBTB5 Antibody - 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.  
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.