

**ZBTB3 Antibody**  
**Catalog # ASC11260****Specification**

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**ZBTB3 Antibody - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB, IHC, IF   |
| Primary Accession | <a href="#">Q9H5J0</a>  |
| Other Accession   | <a href="#">AAH25249</a> , <a href="#">13376146</a>   |
| Reactivity        | Human, Mouse, Rat   |
| Host              | Rabbit  |
| Clonality         | Polyclonal  |
| Isotype           | IgG   |
| Application Notes | ZBTB3 antibody can be used for detection of ZBTB3 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. |

**ZBTB3 Antibody - Additional Information**Gene ID **79842****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.

**ZBTB3 Antibody - Protein Information****Name** ZBTB3**Function**

May be involved in transcriptional regulation.

**Cellular Location**

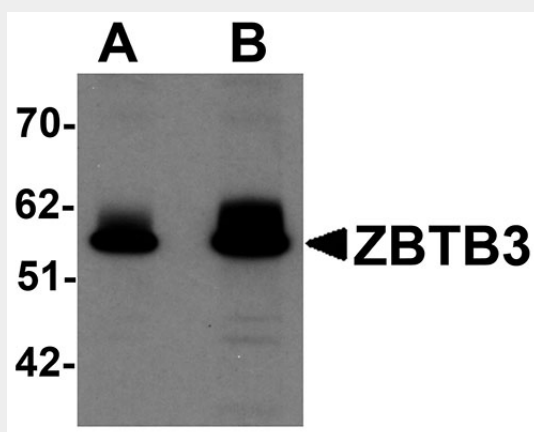
Nucleus.

**ZBTB3 Antibody - Protocols**

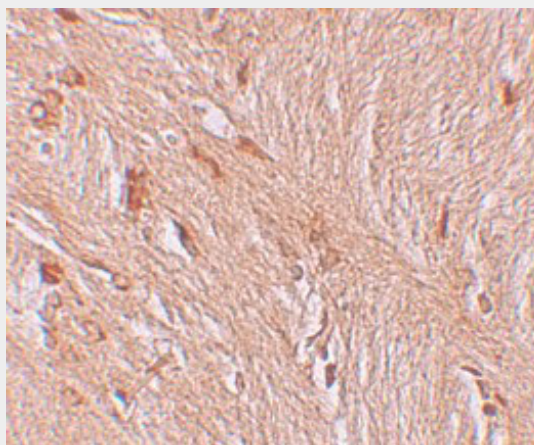
Provided below are standard protocols that you may find useful for product applications.

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

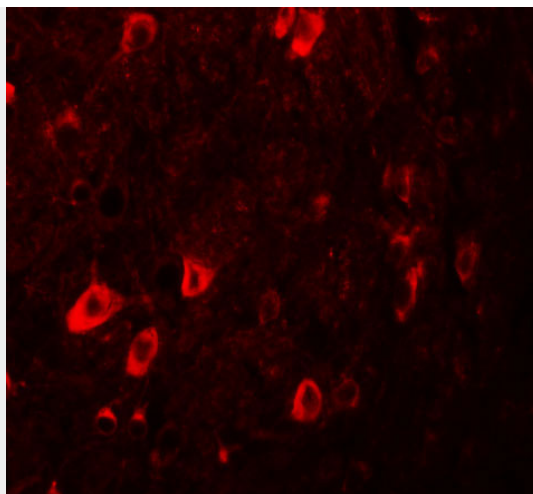
#### ZBTB3 Antibody - Images



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 µg/mL.

### **ZBTB3 Antibody - 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.

### **ZBTB3 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.  
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.