

**WIZ Antibody**  
**Catalog # ASC11259****Specification**

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**WIZ Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">O95785</a>
Other Accession	<a href="#">AAI44333</a> , <a href="#">151301215</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	WIZ antibody can be used for detection of WIZ by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

**WIZ Antibody - Additional Information**

Gene ID **58525**

**Target/Specificity**

WIZ; At least four isoforms of WIZ are known to exist; this antibody will detect all four.

**Reconstitution & Storage**

WIZ 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**

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

**WIZ Antibody - Protein Information**

**Name** WIZ

**Synonyms** ZNF803

**Function**

May link EHMT1 and EHMT2 histone methyltransferases to the CTBP corepressor machinery. May be involved in EHMT1-EHMT2 heterodimer formation and stabilization (By similarity).

**Cellular Location**

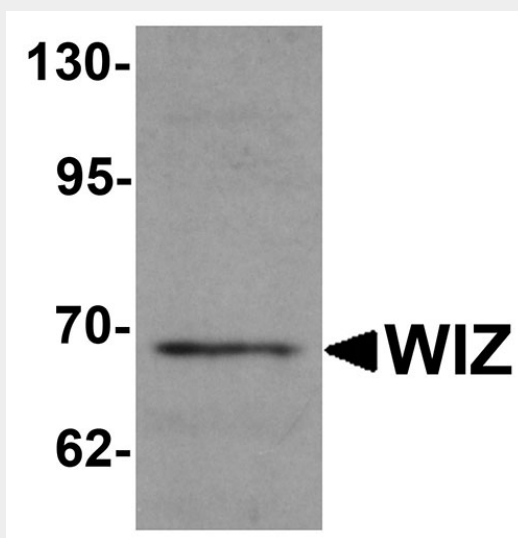
Nucleus.

## WIZ Antibody - Protocols

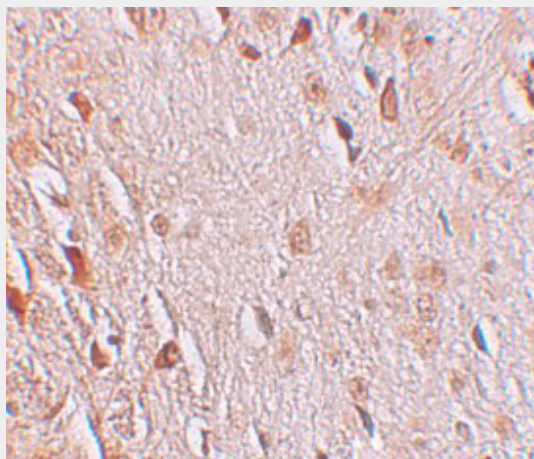
Provided below are standard protocols that you may find useful for product applications.

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

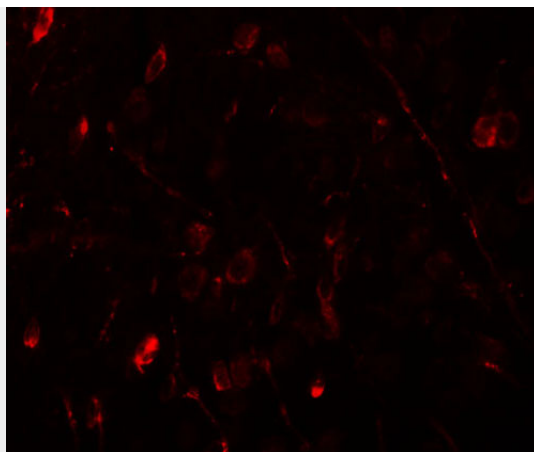
## WIZ Antibody - Images



Western blot analysis of WIZ in rat lung tissue lysate with WIZ antibody at 1  $\mu$ g/mL.



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



Immunofluorescence of WIZ in human brain tissue with WIZ antibody at 20  $\mu$ g/mL.

### **WIZ Antibody - Background**

WIZ Antibody: WIZ, also known as ZNF803, was initially identified in a mouse cerebellum cDNA library screen and its message was found to be expressed in the granule cell layers of the cerebellum as well as in the dentate gyrus and olfactory bulb. Later analysis indicates however that WIZ is ubiquitously expressed. WIZ is a nuclear protein that co-localizes with G9a, a histone methyltransferase responsible for mono- and dimethylation of H3K9 at euchromatic regions. WIZ can also associate with CtBP family proteins, known to be transcriptional co-repressors, and has been suggested to link G9a/GLP complexes to the CtBP co-repressor machinery, possibly regulating complex stability and gene silencing.

### **WIZ Antibody - References**

Matsumoto K, Ishii N, Yoshida S, et al. Molecular cloning and distinct developmental expression pattern of spliced forms of a novel zinc finger gene wiz in the mouse cerebellum. *Brain Res. Mol. Brain Res.*1998; 61:179-89.

Ueda J, Tachibana M, Ikura T, et al. Zinc finger protein Wiz links G9a/GLP histone methyltransferases to the co-repressor molecule CtBP. *J. Biol. Chem.*2006; 281:20120-8.