

WIZ Antibody

Catalog # ASC11259

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	O95785
Other Accession	AAI44333 , 151301215
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	178674
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	WIZ antibody can be used for detection of WIZ 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 20 μ g/mL.

Additional Information

Gene ID	58525
Other Names	Protein Wiz, Widely-interspaced zinc finger-containing protein, Zinc finger protein 803, WIZ, ZNF803
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.

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.

Background

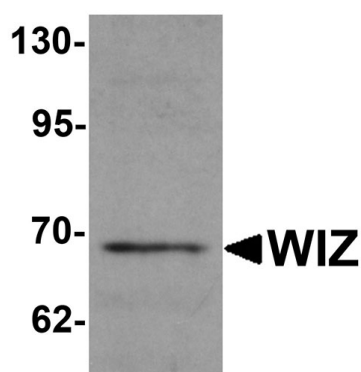
WIZ Antibody: WIZ, also known as ZNF803, was initially identified in a mouse cerebellum cDNA library screen and its message was found to be expressed in the granule cell layers of the cerebellum as well as in the dentate gyrus and olfactory bulb. Later analysis indicates however that WIZ is ubiquitously 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.

References

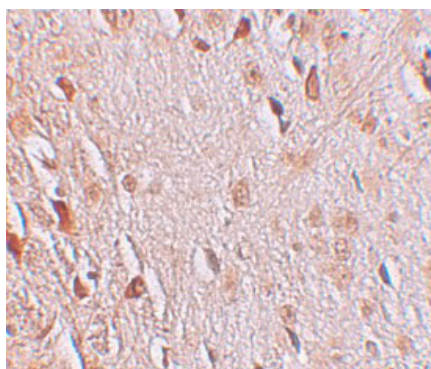
Matsumoto K, Ishii N, Yoshida S, et al. Molecular cloning and distinct developmental expression pattern of spliced forms of a novel zinc finger gene wiz in the mouse cerebellum. *Brain Res. Mol. Brain Res.*1998; 61:179-89.

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.

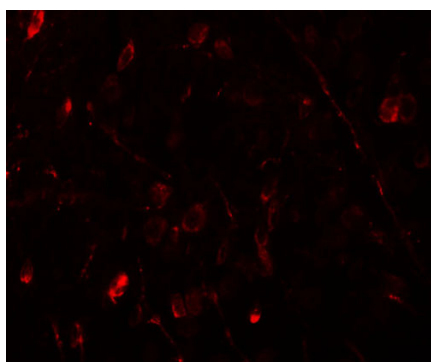
Images



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



Immunohistochemistry of WIZ in human brain tissue with WIZ antibody at 2.5 μ g/mL.



Immunofluorescence of WIZ in human brain tissue with WIZ antibody at 20 μ g/mL.

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