

**FEZ2 Antibody**  
Catalog # ASC10615

**Specification**

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**FEZ2 Antibody - Product Information**

Application	WB, IF
Primary Accession	<a href="#">O9UHY8</a>
Other Accession	<a href="#">NP_001036013</a> , <a href="#">110349756</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	FEZ2 antibody can be used for the detection of FEZ2 by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunofluorescence starting at 5 µg/mL. For immunofluorescence start at 5 µg/mL.

**FEZ2 Antibody - Additional Information**

Gene ID	9637
Target/Specificity	FEZ2;

**Reconstitution & Storage**

FEZ2 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**

FEZ2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**FEZ2 Antibody - Protein Information**

**Name** FEZ2

**Function**

Involved in axonal outgrowth and fasciculation.

**Tissue Location**

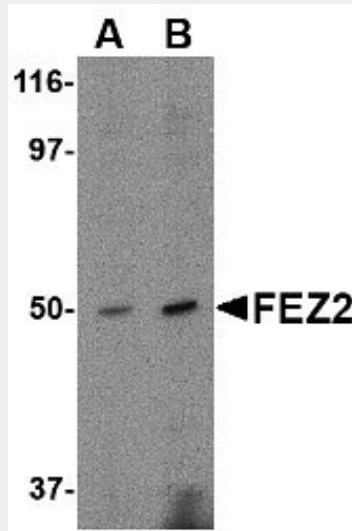
Expressed in nonneural tissues, such as heart, lung, spleen, muscle, testis, placenta and melanocytes

**FEZ2 Antibody - Protocols**

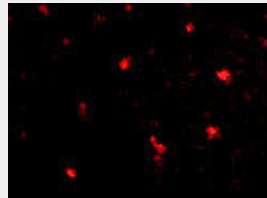
Provided below are standard protocols that you may find useful for product applications.

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

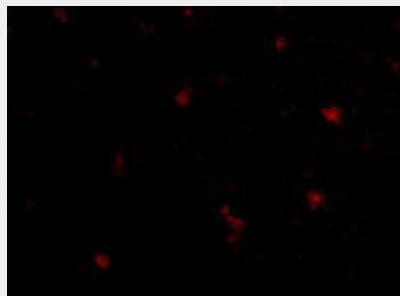
### FEZ2 Antibody - Images



Western blot analysis of FEZ2 in mouse brain tissue lysate with FEZ2 antibody at (A) 0.5, and (B) 1 µg/mL.



Immunofluorescence of human brain tissue using FEZ25 antibody at 5 µg/mL.



Immunofluorescence of FEZ2 in Human Brain cells with FEZ2 antibody at 5 µg/mL.

### FEZ2 Antibody - Background

FEZ2 Antibody: Fasciculation and elongation protein zeta-2 (FEZ2) is a homolog to the mammalian FEZ1, itself an ortholog of the *C. elegans* UNC-76. In contrast to FEZ1, FEZ2 mRNA is widely expressed in mouse tissues. FEZ2 interacts with protein kinase C (PKC)-zeta substrate and induces

neurite extension of PC12 cells when co-expressed with a constitutively active form of PKC-zeta, suggesting FEZ2 may play an important role in the morphological changes of various cells by associating with PKC-zeta in a tissue non-specific manner. FEZ2 can interact with FEZ1 through its c-terminal regions and especially its coiled-coil region. At least two isoforms of FEZ2 are known to exist.

### **FEZ2 Antibody - References**

Fujita T, Ikuta J, Okajima T, et al. Identification of a tissue-non-specific homologue of axonal fasciculation and elongation protein zeta-1. *Biochem. Biophys. Res. Commun.*2004; 313:738-44.  
Kuroda S, Nakagawa N, Tokunaga C, et al. Mammalian homologue of the *Caenorhabditis elegans* UNC-76 protein involved in axonal outgrowth is a protein kinase C z-interacting protein. *J. Cell Biol.*1999; 144:403-11.  
Assmann EM, Alborghetti MR, Camargo MER, et al. FEZ1 dimerization and interaction with transcription regulatory proteins involves its coiled-coil region. *J. Biol. Chem.*2006; 281:9869-81.