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# FEZ2 Antibody

Catalog # ASC10616

## Product Information

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|---|---|
| **Application** | WB, IF, E |
| **Primary Accession** | Q9UHY8 |
| **Other Accession** | NP_001036013, 110349756 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Calculated MW** | 39666 |
| **Concentration (mg/ml)** | 1 mg/mL |
| **Conjugate** | Unconjugated |
| **Application Notes** | FEZ2 antibody can be used for the detection of FEZ2 by Western blot at 0.5 - 1 g/mL. Antibody can also be used for immunoflourescence starting at 5 g/mL. For immunofluorescence start at 5 g/mL. |

## Additional Information

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|---|---|
| **Gene ID** | 9637 |
| **Other Names** | Fasciculation and elongation protein zeta-2, Zygin II, Zygin-2, FEZ2 |
| **Target/Specificity** | FEZ2; |
| **Reconstitution & Storage** | FEZ2 antibody can be stored at 4℃ for three months and -20℃, 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. |

## Protein Information

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|---|---|
| **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 |

## Background

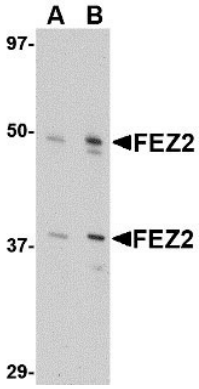
FEZ2 Antibody: Fasciculation and elongation protein zeta-2 (FEZ2) is a homolog to the mammalian FEZ1,

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.

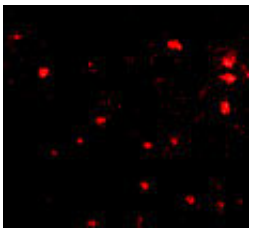
## References


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.


## Images




Western blot analysis of FEZ2 in 3T3 cell lysate with FEZ2 antibody at (A) 0.5, and (B) 1 µg/mL.



Immunofluorescence of human brain tissue using FEZ2 antibody at 5 µg/mL.


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