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FEZ2 Antibody

Catalog # ASC10616

Product Information

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

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

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

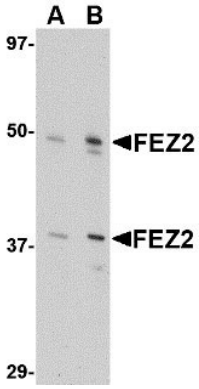
FEZ2 Antibody: Fasciculation and elongation protein zeta-2 (FEZ2) is a homolog to the mammalian FEZ1,

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.

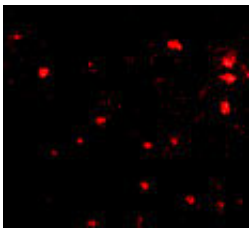
References

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.