10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FEZ2 Antibody
Catalog # ASC10615

Specification

FEZ2 Antibody - Product Information

Application	**WB, IF**
Primary Accession	Q9UHY8
Other Accession	NP_001036013, 110349756
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 immunoflourescence 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℃ 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.

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

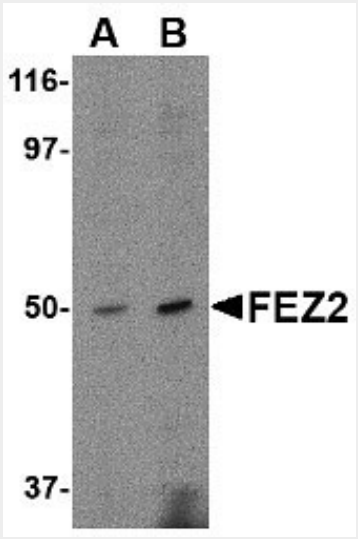
FEZ2 Antibody - Protocols

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

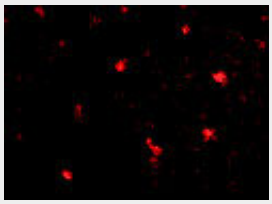
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

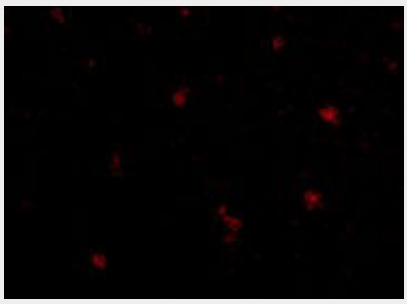
FEZ2 Antibody - Images



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.