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FEZ1 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS12861

Specification

FEZ1 Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	Q99689
Reactivity	**Human, Rat, Rabbit, Hamster, Monkey, Horse, Bovine, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**45kDa KDa**

FEZ1 Antibody (Internal) - Additional Information

Gene ID 9638

Other Names
Fasciculation and elongation protein zeta-1, Zygin I, Zygin-1, FEZ1

Target/Specificity
Human FEZ1. This antibody is expected to recognize isoform 1 (NP_005094.1) only.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
FEZ1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

FEZ1 Antibody (Internal) - Protein Information

Name FEZ1

Function
May be involved in axonal outgrowth as component of the network of molecules that regulate cellular morphology and axon guidance machinery. Able to restore partial locomotion and axonal fasciculation to C.elegans unc-76 mutants in germline transformation experiments. May participate in the transport of mitochondria and other cargos along microtubules.

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cell membrane. Note=Colocalizes with both, alpha- and gamma-tubulin Translocated from the plasma membrane to the cytoplasm by activation of the PKC zeta (By similarity).

Tissue Location
Mainly expressed in brain.

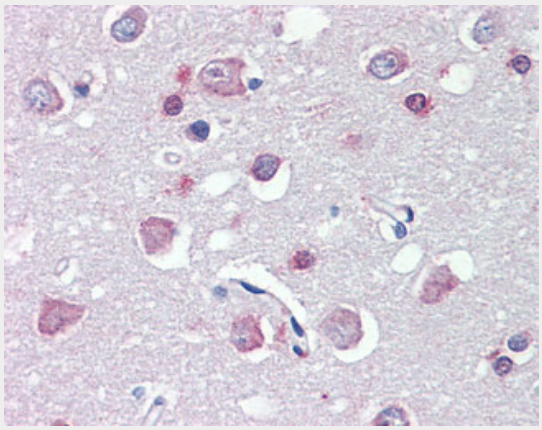
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FEZ1 Antibody (Internal) - Protocols

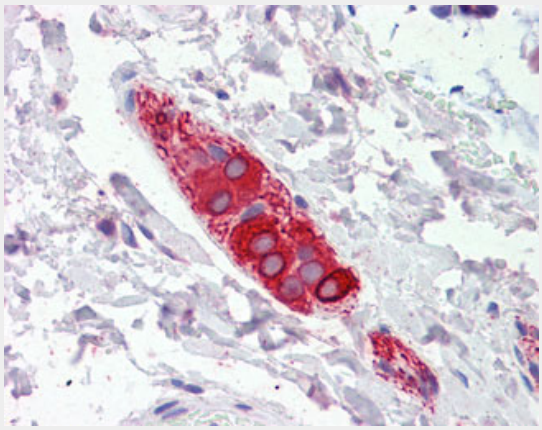
Provided below are standard protocols that you may find useful for product applications.

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

FEZ1 Antibody (Internal) - Images



Anti-FEZ1 antibody IHC of human brain, cortex.



Anti-FEZ1 antibody IHC of human colon, submucosal plexus.

FEZ1 Antibody (Internal) - Background

May be involved in axonal outgrowth as component of the network of molecules that regulate cellular morphology and axon guidance machinery. Able to restore partial locomotion and axonal fasciculation to C.elegans unc-76 mutants in germline transformation experiments. May participate in the transport of mitochondria and other cargos along microtubules.

FEZ1 Antibody (Internal) - References

Bloom L.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:3414-3419(1997).
Sugita S.,et al.Submitted (AUG-1996) to the EMBL/GenBank/DDBJ databases.
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Okumura F.,et al.J. Biol. Chem. 279:53533-53543(2004).