

Datasheet for ABIN6990766
anti-FEZ1 antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	FEZ1
Binding Specificity:	AA 270-320, C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FEZ1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	FEZ1 antibody was raised against a 19 amino acid synthetic peptide from near the carboxy terminus of human FEZ1. The immunogen is located within amino acids 270 - 320 of FEZ1.
Isotype:	IgG
Purification:	FEZ1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	FEZ1
Alternative Name:	FEZ1 (FEZ1 Products)
Background:	FEZ1 Antibody: Similar to its C. elegans homolog UNC-76, mammalian FEZ1, an abundant membrane protein and protein kinase C (PKC)-Z substrate, is involved in axonal guidance. Following phosphorylation by PKC-Z, FEZ1 translocates from the plasma membrane to the

Target Details

cytoplasm. FEZ1 is then able to interact with a number of proteins involved in axonal outgrowth and cellular transport such as DISC1, a candidate gene for schizophrenia, as well as kinesin-1, a microtubule-based motor protein. FEZ1 also interacts with proteins involved in transcriptional regulation and chromatin remodeling, suggesting that FEZ1 may have nuclear regulatory functions in addition to those for neuronal development. At least two distinct isoforms of FEZ1 are known to exist.

Molecular Weight: Predicted: 42 kDa
Observed: 46 kDa

Gene ID: 9638

UniProt: [Q99689](#)

Application Details

Application Notes: FEZ1 antibody can be used for the detection of FEZ1 by Western blot at 0.5 - 1 µg/mL. Despite its predicted molecular weight, FEZ1 will often run at higher molecular weight in SDS-PAGE.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: FEZ1 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: FEZ1 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.