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Datasheet for ABIN1393637

**anti-FEZ2 antibody (AA 165-240) (Alexa Fluor 555)**

## Overview

Quantity:	100 µL
Target:	FEZ2
Binding Specificity:	AA 165-240
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FEZ2 antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FEZ2/Zygin2
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	FEZ2
Alternative Name:	FEZ2/Zygin2 ( <a href="#">FEZ2 Products</a> )

## Target Details

Background:	<p>Synonyms: Fasciculation and elongation protein zeta 2, Fasciculation and elongation protein zeta-2 , FEZ 2, Fez2, FEZ2_HUMAN, Highly similar to zyginII, HUM3CL, MGC117372, Pre T/NK cell associated protein, Zygin 2, Zygin II, Zygin-2.</p> <p>Background: Zygin 2 is a 353 amino acid cytoplasmic protein that belongs to the zygin family. Zygin 2 is found as a difulfide-linked homodimer but may form heterodimers with FEZ1. The plasma membrane to the cytoplasm by activation of PKC zeta. PKC zeta also enhances zygin 1 interaction with UFD2 and polyubiquitination. Expressed mainly in brain, zygin 1 is a mammalian ortholog of Caenorhabditis elegans UNC-76 and is able to restore partial locomotion and axonal fasciculation to C. elegans UNC-76 mutants, which suggest a functional role in axonal outgrowth. As component of the network of molecules that regulate cellular morphology and axon guidance machinery, zygin 1 may also be involved in microtubule associated transport and transcriptional regulation. Mutations in the gene encoding zygin 1 may be linked to the pathogenesis of schizophrenia. Zygin 1 exists as two alternatively spliced isoforms that are designated isoform long and isoform short.</p>
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## Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months