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anti-FEZ2 antibody (AA 165-240) (AbBy Fluor® 350)



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Quantity:	100 μL	
Target:	FEZ2	
Binding Specificity:	AA 165-240	
Reactivity:	Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This FEZ2 antibody is conjugated to AbBy Fluor® 350	
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 (FEZ2 Products)	

Target Details

Background:

Synonyms: Fasciculation and elongation protein zeta 2, Fasciculation and elongation protein zeta-2, FEZ 2, FeZ2_HUMAN, Highly similar to zyginII, HUM3CL, MGC117372, Pre T/NK cell associated protein, Zygin 2, Zygin II, Zygin-2.

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 for 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.

Application Details

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

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	