

## ARG64070 anti-FEZ1 / Zygin 1 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes FEZ1 / Zygin 1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize isoform 1 (NP_005094.1) only.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	FEZ1 / Zygin 1
Species	Human
Immunogen	C-QNKQKEQRELMKK
Conjugation	Un-conjugated
Alternate Names	Fasciculation and elongation protein zeta-1; Zygin-1; Zygin I

### Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	0.01 - 0.03 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

#### Database links

[GeneID: 9638 Human](#)

[Swiss-port # Q99689 Human](#)

#### Background

This gene is an ortholog of the *C. elegans* unc-76 gene, which is necessary for normal axonal bundling and elongation within axon bundles. Expression of this gene in *C. elegans* unc-76 mutants can restore to the mutants partial locomotion and axonal fasciculation, suggesting that it also functions in axonal outgrowth. The N-terminal half of the gene product is highly acidic. Alternatively spliced transcript variants encoding different isoforms of this protein have been described. [provided by RefSeq, Jul 2008]

#### Research Area

Cell Biology and Cellular Response antibody; Neuroscience antibody

#### Calculated Mw

45 kDa

#### PTM

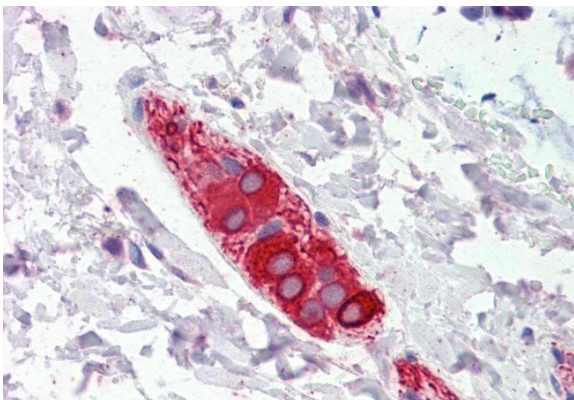
Phosphorylated by protein kinase C zeta; which enhances interaction with UBE4B and polyubiquitination.  
Polyubiquitinated in a UBE4B-dependent manner; which does not lead to proteasomal degradation and may be important for neurogenic activity. Polyubiquitin linkage seems to be mainly through Lys-26.

## Images



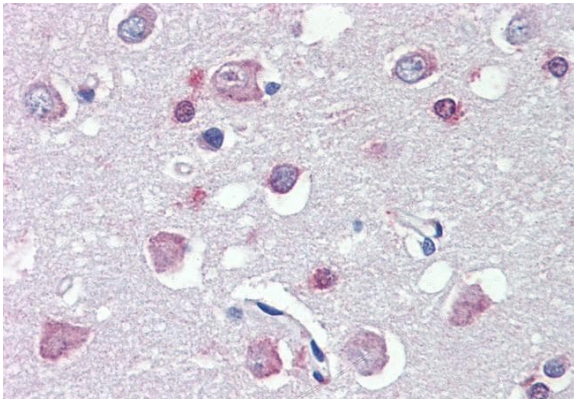
ARG64070 anti-FEZ1 / Zygin 1 antibody WB image

Western Blot: Human Brain (frontal Cortex) lysate (35 µg protein in RIPA buffer) stained with ARG64070 anti-FEZ1 / Zygin 1 antibody at 0.03 µg/ml dilution.



ARG64070 anti-FEZ1 / Zygin 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64070 anti-FEZ1 / Zygin 1 antibody at 5 µg/ml dilution followed by AP-staining.



ARG64070 anti-FEZ1 / Zygin 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cortex tissue.  
Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64070 anti-FEZ1 / Zygin 1 antibody at 5 µg/ml dilution followed by AP-staining.