

Datasheet for ABIN1411532

anti-FEZ2 antibody (AA 165-240) (HRP)[Go to Product page](#)

Overview

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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 HRP |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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| 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

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| Target: | FEZ2 |
| Alternative Name: | FEZ2/Zygin2 (FEZ2 Products) |

Target Details

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| 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

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| Application Notes: | WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500 |
| Restrictions: | For Research Use only |

Handling

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| 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. |
| Handling Advice: | Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase. |
| Storage: | -20 °C |

Handling

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| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |