

Datasheet for ABIN6991717
anti-ZFYVE21 antibody (N-Term)



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Overview

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| Quantity: | 0.1 mg |
| Target: | ZFYVE21 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ZFYVE21 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF) |

Product Details

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| Immunogen: | ZF21 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human ZF21. The immunogen is located within the first 50 amino acids of ZF21. |
| Isotype: | IgG |
| Specificity: | At least two isoforms of ZF21 are known to exist, this antibody will detect both isoforms. |
| Purification: | ZF21 Antibody is affinity chromatography purified via peptide column. |

Target Details

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| Target: | ZFYVE21 |
| Alternative Name: | ZF21 (ZFYVE21 Products) |
| Background: | ZF21 Antibody: ZF21 was initially identified as protein that could bind to the cytoplasmic tail of |

Target Details

MT1-MMP (Membrane-type 1 matrix metalloproteinase), a potent invasion-promoting protease. ZF21 is a member of a protein family characterized by the presence of a phosphatidylinositol 3-phosphate-binding FYVE domain and regulates focal adhesions (FAs) and cell movement. Knockdown of ZF21 expression resulted in a delay of FA disassembly following induction of synchronous disassembly of FAs by nocodazole treatment, suggesting that ZF21 is involved in FA disassembly. ZF21 contains a noncanonical pleckstrin homology domain that is a possible therapeutic target to treat metastatic cancer.

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| Gene ID: | 79038 |
| NCBI Accession: | NP_001185882 |
| UniProt: | Q9BQ24 |

Application Details

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| Application Notes: | ZF21 antibody can be used for detection of ZF21 by Western blot at 1 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in mouse samples and Immunofluorescence in human samples. All other applications and species not yet tested. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | ZF21 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: | ZF21 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. |