

# CYFIP2 Rabbit pAb

Catalog # AP99858

## Product Information

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| <b>Application</b>             | WB, IHC-P, IHC-F, IF, E                                                                                                                                                                                                                                                 |
| <b>Primary Accession</b>       | <a href="#">Q96F07</a>                                                                                                                                                                                                                                                  |
| <b>Other Accession</b>         | <a href="#">Q96F07</a>                                                                                                                                                                                                                                                  |
| <b>Predicted</b>               | Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep                                                                                                                                                                                                              |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                  |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                              |
| <b>Calculated MW</b>           | 148399                                                                                                                                                                                                                                                                  |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human CYFIP2                                                                                                                                                                                                              |
| <b>Epitope Specificity</b>     | 251-350/1273                                                                                                                                                                                                                                                            |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                          |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                       |
| <b>SIMILARITY</b>              | Belongs to the CYFIP family.                                                                                                                                                                                                                                            |
| <b>SUBUNIT</b>                 | Interacts with FMR1, FXR1 AND FXR2. Component of the WAVE1 complex composed of ABI2, CYFIP2, BRK1, NCKAP1 and WASF1/WAVE1. CYFIP2 binds to activated RAC1 which causes the complex to dissociate, releasing activated WASF1. The complex can also be activated by NCK1. |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                               |
| <b>Background Descriptions</b> | CYFIP2 is involved in T cell adhesion and p53 dependent induction of apoptosis. It does not bind RNA but is up regulated significantly in CD4+ T lymphocytes from patients with multiple sclerosis. There are 2 isoforms produced by alternative splicing.              |

## Additional Information

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| <b>Gene ID</b>     | 26999                                                                                                                                                                                           |
| <b>Other Names</b> | DEE65; EIEE65; PIR121; CYFP2_HUMAN; CYFIP2; p53-inducible protein 121; KIAA1168; cytoplasmic FMR1 interacting protein 2; p53 inducible protein                                                  |
| <b>Dilution</b>    | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000                                                                                                                   |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| <b>Name</b>              | CYFIP2 {ECO:0000312   EMBL:AAH11762.1}                                                                                                                                                                                                                                                                                                                                                     |
| <b>Function</b>          | Involved in T-cell adhesion and p53/TP53-dependent induction of apoptosis. Does not bind RNA. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (By similarity).                                                                                                                                                         |
| <b>Cellular Location</b> | Cytoplasm. Nucleus Cytoplasm, perinuclear region {ECO:0000250   UniProtKB:Q5SQX6}. Synapse, synaptosome {ECO:0000250   UniProtKB:Q5SQX6}. Note=Highly expressed in the perinuclear regionand enriched in synaptosomes (By similarity) Treatment with leptomycin-B triggers translocation to the nucleus (PubMed:17245118). {ECO:0000250   UniProtKB:Q5SQX6, ECO:0000269   PubMed:17245118} |
| <b>Tissue Location</b>   | Expressed in T-cells. Increased expression is observed in CD4(+) T-lymphocytes from patients with multiple sclerosis (at protein level).                                                                                                                                                                                                                                                   |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.