

CYFIP2 Rabbit pAb

Catalog # AP99720

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96F07
Other Accession	Q96F07
Reactivity	Mouse
Predicted	Rat, Pig, Human, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	148399
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CYFIP2
Epitope Specificity	251-350/1278
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the CYFIP family.
SUBUNIT	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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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

Gene ID	26999
Other Names	DEE65; EIEE65; PIR121; CYFP2_HUMAN; CYFIP2; p53-inducible protein 121; KIAA1168; cytoplasmic FMR1 interacting protein 2; p53 inducible protein
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	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

Name	CYFIP2 {ECO:0000312 EMBL:AAH11762.1}
Function	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).
Cellular Location	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}
Tissue Location	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'.