

For Research Use Only

CYFIP2 Recombinant antibody

Catalog Number: 83845-3-RR



Basic Information

Catalog Number:

83845-3-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8749

GenBank Accession Number:

BC011762

GeneID (NCBI):

26999

UNIPROT ID:

Q96F07

Full Name:

cytoplasmic FMR1 interacting protein

2

Calculated MW:

148 kDa

Purification Method:

Protein A purification

CloneNo.:

240909E3

Recommended Dilutions:

IF/ICC 1:125-1:500

Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : Jurkat cells,

Background Information

CYFIP1/2 belongs to the CYFIP family and is involved in T-cell adhesion and p53-dependent induction of apoptosis. CYFIP1 contains 1,253 amino acids and shares 88% sequence identity with CYFIP2. CYFIP1 and CYFIP2 are members of a highly conserved protein family and share approximately 99% sequence identity with their mouse orthologs. CYFIP1 has been shown to interact with the small GTPase RAC1, which is implicated in development and maintenance of neuronal structures. Consistent with FMRP and RAC1 localization in dendritic fine structures, CYFIP1/2 are present in synaptosomal extracts. This antibody can recognize both CYFIP1 and CYFIP2.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

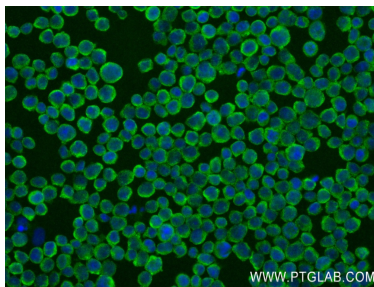
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E: Proteintech-CN@ptglab.com

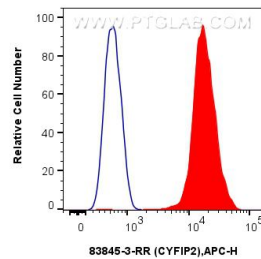
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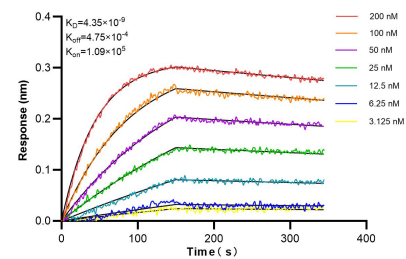
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CYFIP2 antibody (83845-3-RR, Clone: 240909E3) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1×10^6 Jurkat cells were intracellularly stained with 0.25 μ g Cyfip2 Recombinant Antibody (83845-3-RR, Clone:240909E3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83845-3-RR against Human CYFIP2 were performed. The affinity constant is 4.35 nM.