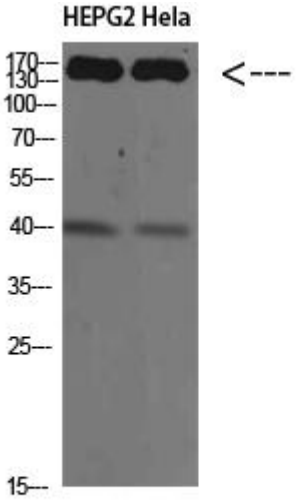
CYFIP2 Monoclonal Antibody

Catalog No	YP-mAb-10599
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CYFIP2
Protein Name	CYFIP2
Immunogen	Synthesized peptide derived from CYFIP2 at AA range: 1171-1220
Specificity	CYFIP2 Monoclonal Antibody detects endogenous levels of CYFIP2
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cytoplasmic FMR1-interacting protein 2 (p53-inducible protein 121)
Observed Band	150 45kD
Cell Pathway	Cytoplasm . Nucleus . Cytoplasm, perinuclear region . Cell junction, synapse, synaptosome . Highly expressed in the perinuclear regionand enriched in synaptosomes (By similarity). Treatment with leptomycin-B triggers translocation to the nucleus (PubMed:17245118). .
Tissue Specificity	Expressed in T-cells. Increased expression is observed in CD4(+) T-lymphocytes from patients with multiple sclerosis (at protein level).
Function	disease:Up-regulated significantly in CD4+ T lymphocytes from patients with multiple sclerosis (at protein level).,function:Involved in T-cell adhesion and p53-dependent induction of apoptosis. Does not bind RNA.,induction:By p53.,RNA editing:Partially edited. Editing appears to be brain-specific.,similarity:Belongs to the CYFIP family.,subcellular location:Highly expressed in the perinuclear region. Enriched in synaptosomes. Treatment with leptomycin-B triggers translocation to the nucleus.,subunit:Interacts with FMR1, FXR1 AND FXR2. Component of the WAVE1 complex composed of ABI2, CYFIP2, C3orf10/HSPC300, 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.,

Background	disease:Up-regulated significantly in CD4+ T lymphocytes from patients with multiple sclerosis (at protein level).,function:Involved in T-cell adhesion and p53-dependent induction of apoptosis. Does not bind RNA.,induction:By p53.,RNA editing:Partially edited. Editing appears to be brain-specific.,similarity:Belongs to the CYFIP family.,subcellular location:Highly expressed in the perinuclear region. Enriched in synaptosomes. Treatment with leptomycin-B triggers translocation to the nucleus.,subunit:Interacts with FMR1, FXR1 AND FXR2. Component of the WAVE1 complex composed of ABI2, CYFIP2, C3orf10/HSPC300, 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.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CYFIP2 Monoclonal Antibody