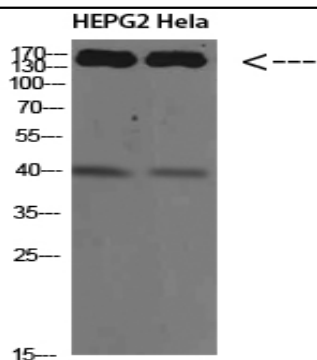


CYFIP2 Polyclonal Antibody

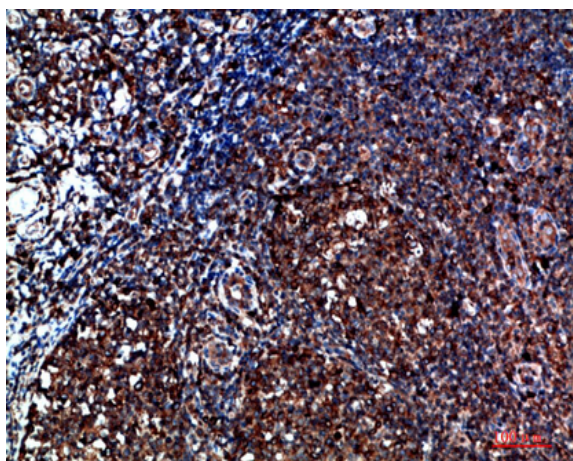
Catalog No :	YT5782
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	CYFIP2
Fields :	>>Regulation of actin cytoskeleton;>>Pathogenic Escherichia coli infection;>>Salmonella infection
Gene Name :	CYFIP2
Protein Name :	CYFIP2
Human Gene Id :	26999
Human Swiss Prot No :	Q96F07
Mouse Gene Id :	76884
Mouse Swiss Prot No :	Q5SQX6
Immunogen :	Synthesized peptide derived from CYFIP2 at AA range: 1171-1220
Specificity :	CYFIP2 Polyclonal Antibody detects endogenous levels of CYFIP2
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000, ELISA 1:10000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	-15 °C to -25 °C/1 year(Do not lower than -25 °C)
Observed Band :	150kD,45kD
Cell Pathway :	Regulates Actin and Cytoskeleton;
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.,
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.,
Subcellular Location :	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). .
Expression :	Expressed in T-cells. Increased expression is observed in CD4(+) T-lymphocytes from patients with multiple sclerosis (at protein level).

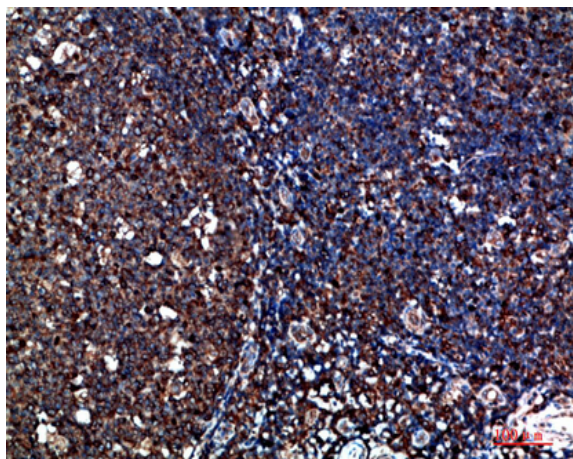
Products Images



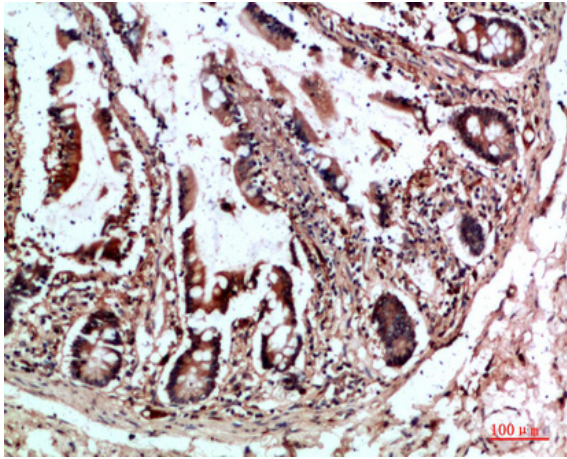
Western Blot analysis of HEPG2 Hela cells using CYFIP2 Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-tonsil, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-tonsil, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:200