Product Name: CYFIP2 Rabbit Polyclonal Antibody
Catalog #: APRab09616
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight	150+45kDa

Antigen Information

Gene Name	CYFIP2
Alternative Names	Cytoplasmic FMR1-interacting protein 2 (p53-inducible protein 121)
Gene ID	26999.0
SwissProt ID	Q96F07
Immunogen	Synthesized peptide derived from CYFIP2 at AA range: 1171-1220

Background

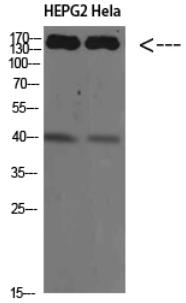
disease:Up-regulated significantly in CD4+ T lymphocytes from patients with multiple sclerosis (at protein level).,function:Involved in T-cell adhesion and p53-dependent induction of apoptosis. Does not bind RNA.,induction:By

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.,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.,

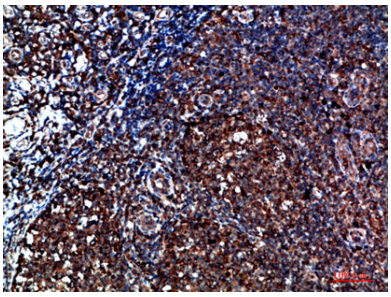
Research Area

Regulates Actin and Cytoskeleton;

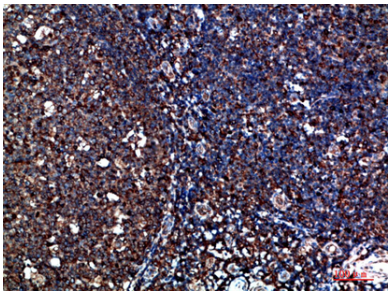
Image Data



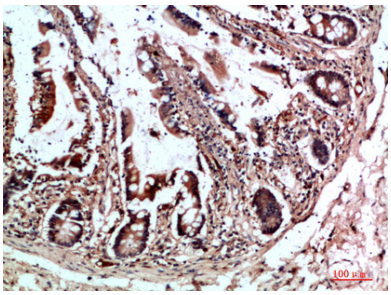
Western Blot analysis of HEPG2 Hela cells using CYFIP2 Polyclonal Antibody diluted at 1:500. Secondary antibody was diluted at 1:20000



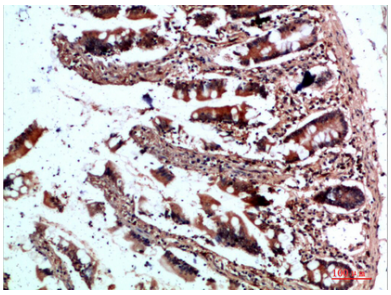
Immunohistochemical analysis of paraffin-embedded human-tonsil, antibody was diluted at 1:200



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



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