

CYFP1 Polyclonal Antibody

Catalog No :	YN1646
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	CYFP1
Fields :	>>Regulation of actin cytoskeleton;>>Pathogenic Escherichia coli infection;>>Salmonella infection
Gene Name :	CYFIP1 KIAA0068
Protein Name :	Cytoplasmic FMR1-interacting protein 1 (Specifically Rac1-associated protein 1) (Sra-1) (p140sra-1)
Human Gene Id :	23191
Human Swiss Prot No :	Q7L576
Mouse Swiss Prot No :	Q7TMB8
Immunogen :	Synthesized peptide derived from human protein . at AA range: 980-1060
Specificity :	CYFP1 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
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 : 137kD**Cell Pathway :** Regulates Actin and Cytoskeleton;**Background :**

function:Involved in formation of membrane ruffles and lamellipodia protrusions and in axon outgrowth. Binds to F-actin but not to RNA.,similarity:Belongs to the CYFIP family.,subcellular location:Highly expressed in the perinuclear region. Enriched in synaptosomes, membrane ruffles and at the tips of lamellipodia.,subunit:Interacts with the active GTP-bound form of RAC1. Interacts with FMR1/FMRP but does not bind to related proteins FXR1 or FXR2. Component of the WAVE2 complex composed of ABI1, CYFIP1/SRA1, NCKAP1/NAP1 and WASF2/WAVE2 (By similarity). Interacts through its C-terminus with the C-terminus of DPYSL2/CRMP2 which is necessary for DPYSL2-induced axon outgrowth.,

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Subcellular Location :

Cytoplasm . Cytoplasm, perinuclear region . Cell projection, lamellipodium . Cell projection, ruffle . Cell junction, synapse, synaptosome . Highly expressed in the perinuclear region (By similarity). Enriched in synaptosomes (By similarity). Also enriched in membrane ruffles and at the tips of lamellipodia (By similarity). .

Expression : B-cell lymphoma,Bone marrow,Brain,Hepatoma,Lung,Placenta,

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