



CYFP1 Monoclonal Antibody

Catalog No	BYmab-06514
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CYFIP1 KIAA0068
Protein Name	Cytoplasmic FMR1-interacting protein 1 (Specifically Rac1-associated protein 1) (Sra-1) (p140sra-1)
Immunogen	Synthesized peptide derived from human protein . at AA range: 980-1060
Specificity	CYFP1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	137kD
Cell Pathway	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). .
Tissue Specificity	B-cell lymphoma,Bone marrow,Brain,Hepatoma,Lung,Placenta,
Function	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

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DPYSL2-induced axon outgrowth.,

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.,

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

Nanjing BYabscience technology Co.,Ltd网址: www.njbybio.com

官方热线: 025-5229-8998

监督电话: 15950492658