SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-CYFIP2 antibody

Catalog Number: SL14140R

FOR RESEARCH USE ONLY

[DATASHEET]

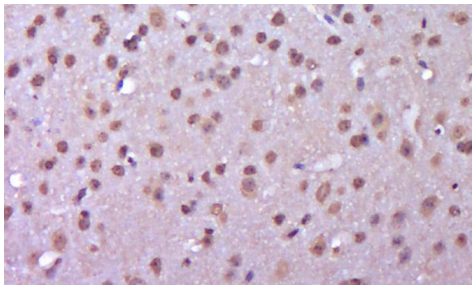
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CYFIP2
Immunogen:	KLH conjugated synthetic peptide derived from human CYFIP2: 251-350/1278
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Chicken,Pig,Cow,Horse,Sheep)
Predicted MW.:	146kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	CYFIP2 is a 1,278 amino acid protein encoded by the human gene CYFIP2. CYFIP2 belongs to the CYFIP family and is involved in T-cell adhesion and p53-dependent induction of apoptosis. It interacts with FMR1, FXR1 and FXR2 and is a component of the WAVE1 complex composed of Abi-2, CYFIP2, C3orf10/HSPC300, NAP125 and WASF1/WAVE1. Upon binding to activated Rac 1, CYFIP2 causes the complex to dissociate, releasing activated WASF1. The CYFIP2 promoter contains a p53-responsive element that confers p53 binding as well as transcriptional activation of a heterologous reporter. Induced expression of CYFIP2 is sufficient for caspase activation and cellular apoptosis, reminiscent of p53 activation. **Function:** CYFIP2 is involved in T cell adhesion and p53 dependent induction of apoptosis. It does not bind RNA but is up regulated significantly in CD4+ T

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	lymphocytes from patients with multiple sclerosis. There are 2 isoforms produced by alternative splicing. **Subcellular Location:** Cytoplasm perinuclear region. Cell junction, synapse, synaptosome. Treatment with leptomycin-B triggers translocation to the nucleus. **Similarity:** Belongs to the CYFIP family. **Database links:** **Entrez Gene:** 26999 Human **Entrez Gene:** 76884 Mouse **Entrez Gene:** 303073 Rat Omim: 606323 Human **SwissProt:** Q96F07 Human **SwissProt:** Q5SQX6 Mouse **Unigene:** 910449 Human **Unigene:** 293961 Mouse

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CYFIP2) Polyclonal Antibody, Unconjugated (SL14140R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.