



Rabbit Anti-CYFIP2 antibody

SL14140R

Product Name:	CYFIP2
Chinese Name:	细胞质FMR1相关蛋白2抗体
Alias:	CYFP2; cytoplasmic FMR1 interacting protein 2; KIAA1168; p53 inducible protein; p53-inducible protein 121; PIR121; CYFP2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	146kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CYFIP2:251-350/1278
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 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.

SWISS:

Q96F07

Gene ID:

26999

Database links:

[Entrez Gene: 26999](#) Human

[Entrez Gene: 76884](#) Mouse

[Entrez Gene: 303073](#) Rat

[Omim: 606323](#) Human

[SwissProt: Q96F07](#) Human

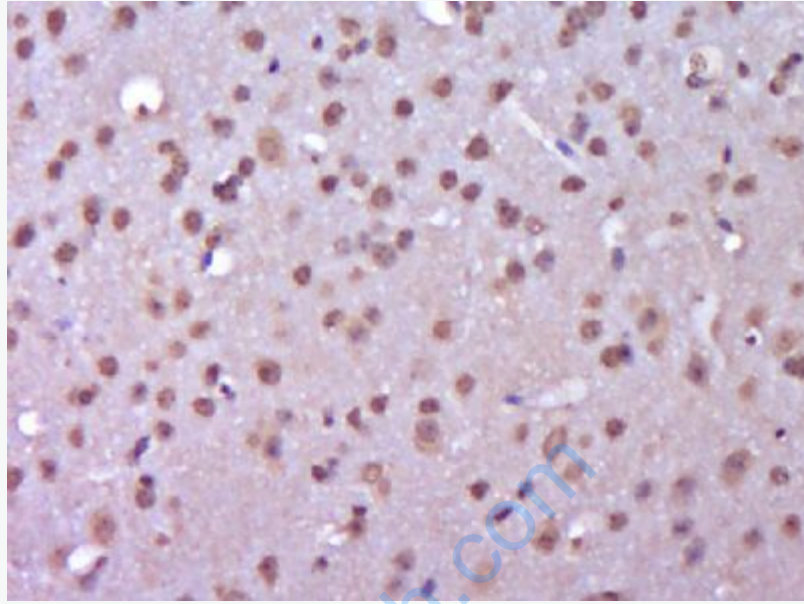
[SwissProt: Q5SQX6](#) Mouse

[Unigene: 910449](#) Human

[Unigene: 293961](#) Mouse

Important Note:

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



Picture:

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) instructions and DAB staining.