

bs-14139R**[Primary Antibody]**

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CYFIP1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow) Predicted MW.: 145 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 23191	SWISS: Q7L576	
Target: CYFIP1		
Immunogen: KLH conjugated synthetic peptide derived from human CYFIP1: 251-350/1253.		
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°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: CYFIP1 are cytoplasmic proteins belonging to the CYFIP family. Both proteins bind GTP-bound Rac 1 to release FRM1 in its active state, which is thought to regulate mRNA translation of neural cytoskeletal proteins. A loss of CYFIP1 and CYFIP2 leads to mutant neurons with defective axonal growth and motor function. Also designated specifically Rac1-associated protein 1 (sra-1) or p140sra-1, CYFIP1 contains 1,253 amino acids and is a component of the WAVE2 complex. CYFIP1 is encoded by a gene that maps to human chromosome 15q11.2 and exists as three alternatively spliced isoforms. CYFIP2, also known as p53-inducible protein 121, contains 1,278 amino acids and plays a role in p53-dependent apoptosis. Existing as two alternatively spliced isoforms, CYFIP2 is a component of the WAVE1 complex and is encoded by a gene located on human chromosome 5q33.3.		

— SELECTED CITATIONS —

- **[IF=3.6]** Mengzhen Zhang. et al. Integrated machine learning-driven disulfidptosis profiling: CYFIP1 and EMILIN1 as therapeutic nodes in neuroblastoma. J CANCER RES CLIN. 2024 Mar;150(3):1-20 WB,IHC ;Human. 38427078