

Product Name: KD-Validated CYFIP1 Rabbit Polyclonal Antibody**Catalog #: KVA00449**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit pAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500
Molecular Weight	Calculated MW: 145.2kDa

Antigen Information

Gene Name	CYFIP1 CYFIP1; Cytoplasmic FMR1 Interacting Protein 1; P140SRA-1; KIAA0068; SHYC; Cytoplasmic
Alternative Names	FMRP Interacting Protein 1; Cytoplasmic FMR1-Interacting Protein 1; Specifically Rac1-Associated Protein 1; Selective Hybridizing Clone; P140sra-1; SRA-1; Sra-1; SRA1
Gene ID	23191.0
SwissProt ID	Q7L576
Immunogen	A synthesized peptide derived from human CYFIP1

Background

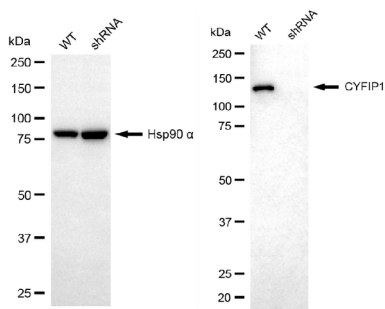
This gene encodes a protein that regulates cytoskeletal dynamics and protein translation. The encoded protein is a component of the WAVE regulatory complex (WRC), which promotes actin polymerization. This protein also interacts with the synaptic

functional regulator FMR1 protein and translation initiation factor 4E to inhibit protein translation. A large chromosomal deletion including this gene is associated with increased risk of schizophrenia and epilepsy in human patients. Reduced expression of this gene has been observed in various human cancers and the encoded protein may inhibit tumor invasion. [provided by RefSeq, Mar 2022]

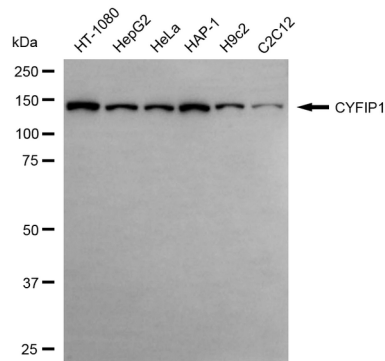
Research Area

Cancer

Image Data



Western blotting analysis using CYFIP1 antibody (KVA00449). CYFIP1 expression in wild-type (WT) and CYFIP1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CYFIP1 antibody (KVA00449, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CYFIP1 antibody (KVA00449). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CYFIP1 antibody (KVA00449, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.