

CYFIP1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17497b**Specification**

CYFIP1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q7L576](#)**CYFIP1 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 23191

Other Names

Cytoplasmic FMR1-interacting protein 1, Specifically Rac1-associated protein 1, Sra-1, p140sra-1, CYFIP1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=13759)
target="_blank">HGNC:13759

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CYFIP1 Antibody (C-term) Blocking Peptide - Protein InformationName CYFIP1 ([HGNC:13759](#))**Function**

Component of the CYFIP1-EIF4E-FMR1 complex which binds to the mRNA cap and mediates translational repression. In the CYFIP1-EIF4E-FMR1 complex this subunit is an adapter between EIF4E and FMR1. Promotes the translation repression activity of FMR1 in brain probably by mediating its association with EIF4E and mRNA (By similarity). Regulates formation of membrane ruffles and lamellipodia. Plays a role in axon outgrowth. Binds to F-actin but not to RNA. Part of the WAVE complex that regulates actin filament reorganization via its interaction with the Arp2/3 complex. Actin remodeling activity is regulated by RAC1. Regulator of epithelial morphogenesis. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (By similarity). May act as an invasion suppressor in cancers.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q7TMB8}. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:Q7TMB8}. Cell projection, lamellipodium {ECO:0000250|UniProtKB:Q7TMB8}. Cell projection, ruffle {ECO:0000250|UniProtKB:Q7TMB8}. Synapse, synaptosome {ECO:0000250|UniProtKB:Q7TMB8}. Note=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).
{ECO:0000250|UniProtKB:Q7TMB8}

CYFIP1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CYFIP1 Antibody (C-term) Blocking Peptide - Images

CYFIP1 Antibody (C-term) Blocking Peptide - Background

Component of the CYFIP1-EIF4E-FMR1 complex which binds to the mRNA cap and mediates translational repression. In the CYFIP1-EIF4E-FMR1 complex this subunit is an adapter between EIF4E and FMR1. Promotes the translation repression activity of FMR1 in brain probably by mediating its association with EIF4E and mRNA (By similarity). Involved in formation of membrane ruffles and lamellipodia protrusions and in axon outgrowth. Binds to F-actin but not to RNA. Regulator of epithelial morphogenesis. May act as an invasion suppressor in cancers.

CYFIP1 Antibody (C-term) Blocking Peptide - References

Tam, G.W., et al. Biochem. Soc. Trans. 38(2):445-451(2010)Anitei, M., et al. Nat. Cell Biol. 12(4):330-340(2010)Silva, J.M., et al. Cell 137(6):1047-1061(2009)Napoli, I., et al. Cell 134(6):1042-1054(2008)Bittel, D.C., et al. Pediatrics 118 (4), E1276-E1283 (2006) :