


Product datasheet

Anti-CYFIP1 antibody ab108220

[2 References](#) [2 Images](#)

Overview

Product name	Anti-CYFIP1 antibody
Description	Rabbit polyclonal to CYFIP1
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee, Lizard, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide corresponding to a region between residue 1203 and 1253 of Human CYFIP1 (NP_055423.1).
Positive control	HeLa and 293T whole cell lysates
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
Purity	Immunogen affinity purified
Purification notes	ab108220 was affinity purified using an epitope specific to CYFIP1 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab108220 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Predicted molecular weight: 145 kDa.
IP		Use at 2-5 µg/mg of lysate.

Target

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). 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.

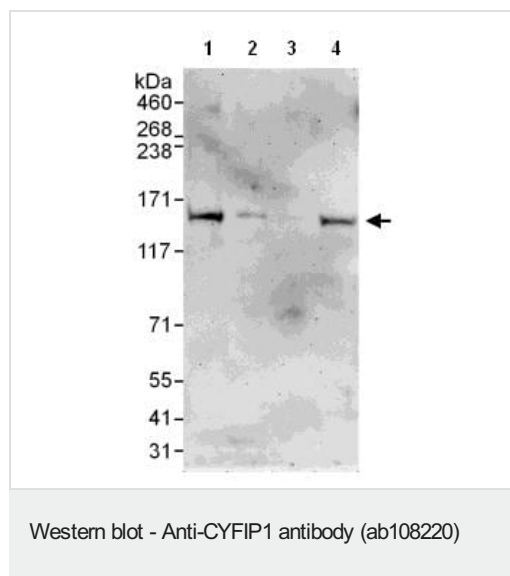
Sequence similarities

Belongs to the CYFIP family.

Cellular localization

Cytoplasm > perinuclear region. Cell projection > lamellipodium. Cell projection > ruffle. Cell junction > synapse > synaptosome. Highly expressed in the perinuclear region. Enriched in synaptosomes, membrane ruffles and at the tips of lamellipodia.

Images



All lanes : Anti-CYFIP1 antibody (ab108220) at 0.4 µg/ml

Lane 1 : HeLa whole cell lysate

at 50 µg

Lane 2 : HeLa whole cell lysate

at 15 µg

Lane 3 : HeLa whole cell lysate

at 5 µg

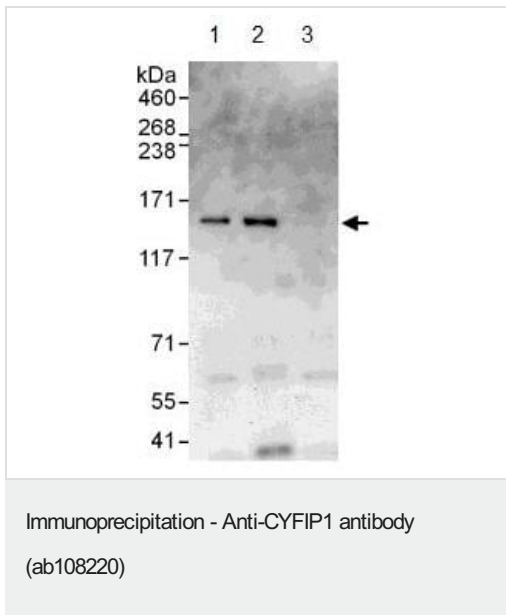
Lane 4 : 293T whole cell lysate

at 50 µg

Developed using the ECL technique.

Predicted band size: 145 kDa

Exposure time: 3 minutes



ab108220 at 1 $\mu\text{g/ml}$ detecting CYFIP1 in HeLa whole cell lysate by WB following IP.

Lane 1: IP with an antibody which recognizes an upstream epitope of CYFIP1

Lane 2: ab108220 at 6 $\mu\text{g/mg}$ of lysate

Lane 3: Control IgG.

In each case, 1 mg of lysate was used for IP and 20% of the IP was loaded.

Detection: Chemiluminescence with an exposure time of 30 seconds

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