


Product datasheet

Anti-FHL2 antibody ab12328

[1 References](#) [5 Images](#)

Overview

Product name	Anti-FHL2 antibody
Description	Rabbit polyclonal to FHL2
Host species	Rabbit
Tested applications	Suitable for: IP, ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Chimpanzee, Rhesus monkey, Gorilla, Chinese hamster, Orangutan, Elephant 
Immunogen	Synthetic peptide corresponding to Human FHL2. Database link: Q14192
Positive control	WB: HeLa, TCMK-1 and NIH/3T3 whole cell lysates. IP: HeLa cells. IHC-P: Human breast and ovarian carcinoma tissue.
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: 0.1% Sodium azide Constituents: 0.021% PBS, 1.815% Tris, 1.764% Sodium citrate
Purity	Immunogen affinity purified
Purification notes	This antibody is affinity purified.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab12328 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
IP		Use a concentration of 1 µg/ml.
ICC/IF		Use a concentration of 1 µg/ml.
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000 - 1/10000. Detects a band of approximately 32 kDa (predicted molecular weight: 44.6 kDa).

Target

Function

May function as a molecular transmitter linking various signaling pathways to transcriptional regulation. Negatively regulates the transcriptional repressor E4F1 and may function in cell growth.

Tissue specificity

Expressed in skeletal muscle and heart.

Sequence similarities

Contains 4 LIM zinc-binding domains.

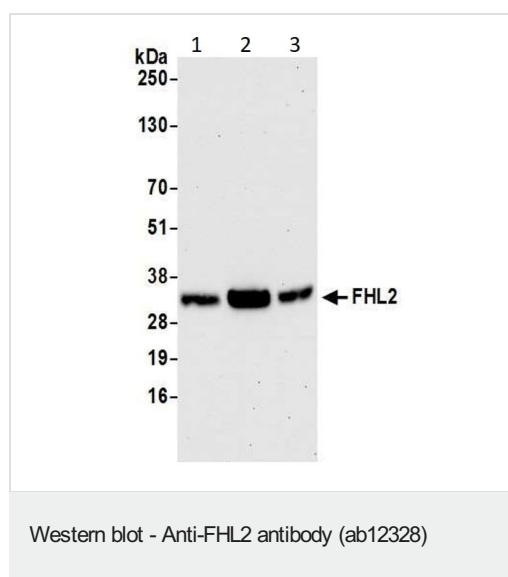
Domain

The third LIM zinc-binding mediates interaction with E4F1.

Cellular localization

Cytoplasm. Nucleus.

Images



All lanes : Anti-FHL2 antibody (ab12328) at 0.1 µg/ml

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

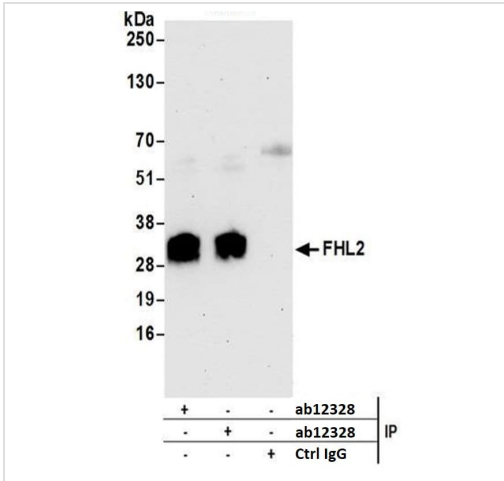
Lane 2 : TCMK-1 (Mouse kidney epithelial cell line) whole cell lysate

Lane 3 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate

Lysates/proteins at 50 µg per lane.

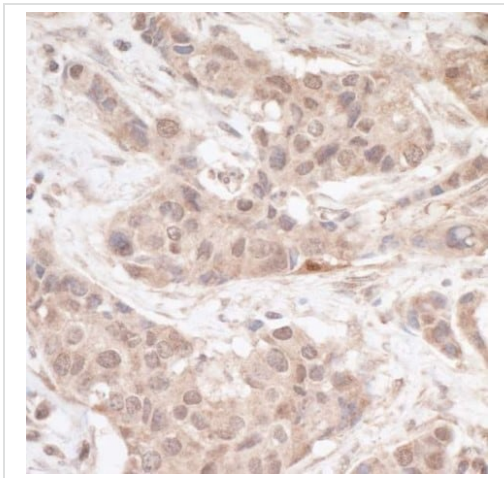
Predicted band size: 44.6 kDa

Exposure time: 30 seconds



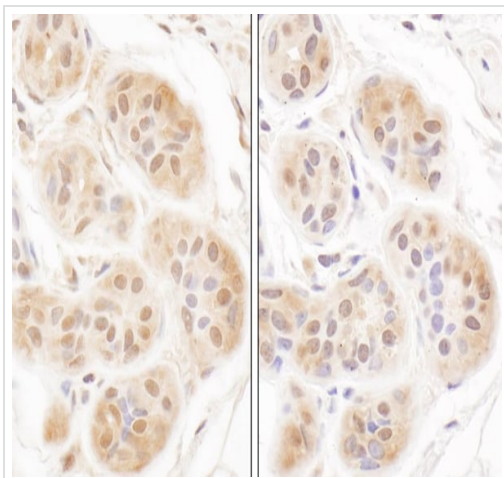
Immunoprecipitation - Anti-FHL2 antibody (ab12328)

FHL2 was immunoprecipitated from HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate (1 mg for IP, 20% of IP loaded) with ab12328 at 3 µg/mg lysate (different LOT numbers). Western blot was performed from the immunoprecipitate using ab12328 at 1 µg/ml.



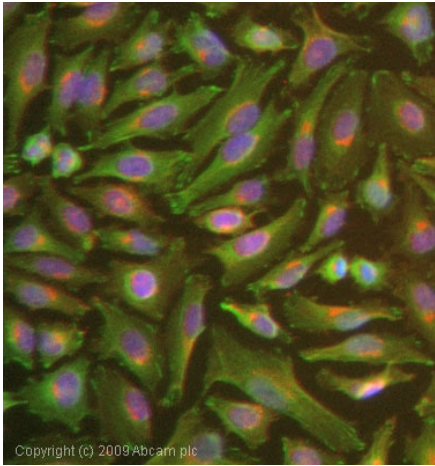
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FHL2 antibody (ab12328)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian carcinoma tissue labelling FHL2 with ab12328 at 1/2000 (0.5 µg/ml). Detection: DAB.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FHL2 antibody (ab12328)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling FHL2 with ab12328 at 1/1000 (1 µg/ml). Detection: DAB.



Immunocytochemistry/ Immunofluorescence - Anti-FHL2 antibody (ab12328)

ICC image of ab12328 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab12328, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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