abcam

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	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. 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

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.

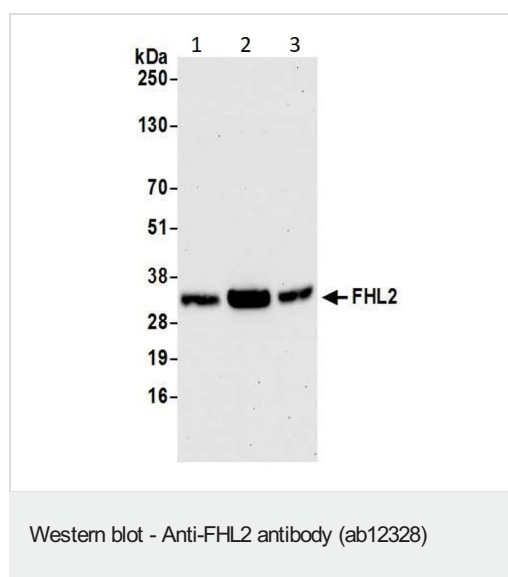**Sequence similarities**   Contains 4 LIM zinc-binding domains.

Domain   The third LIM zinc-binding mediates interaction with E4F1.

Cellular localization   Cytoplasm. Nucleus.

Images

Western blot - Anti-FHL2 antibody (ab12328)

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

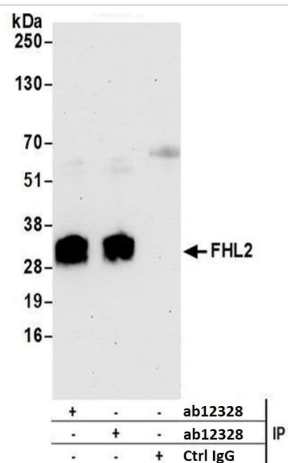**Lane 1 :** HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

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

Lane 3 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate
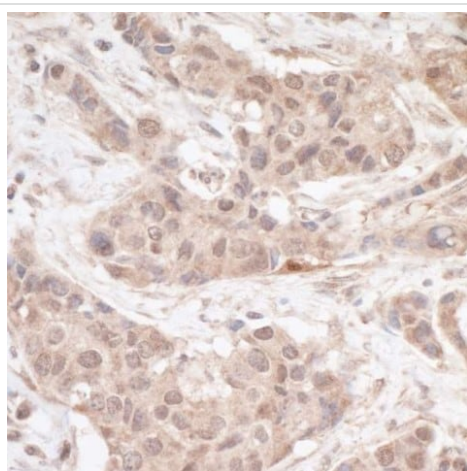
Lysates/proteins at 50 µg per lane.

Predicted band size: 44.6 kDa

Exposure time: 30 seconds

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.

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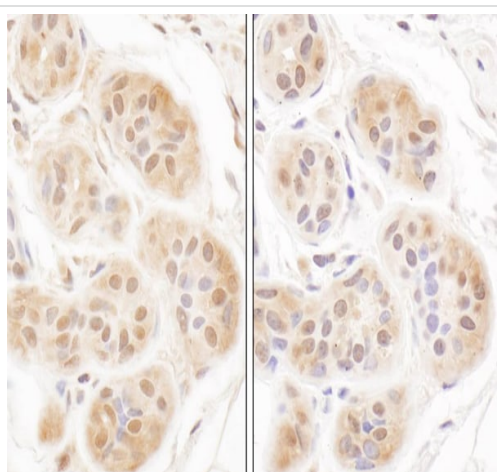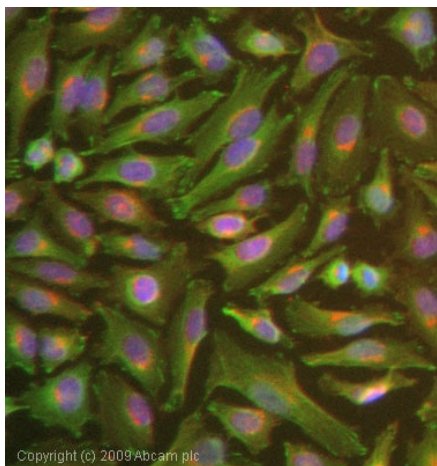
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FHL2 antibody (ab12328)

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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - 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.

Immunocytochemistry/ Immunofluorescence - Anti-FHL2 antibody (ab12328)

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