


Product datasheet

Anti-FIF antibody ab99307

3 Images

Overview

Product name	Anti-FIF antibody
Description	Rabbit polyclonal to FIF
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Horse, Chicken, Guinea pig, Pig, Xenopus laevis, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Xenopus tropicalis, Platypus 
Immunogen	Synthetic peptide corresponding to Human FIF aa 1-50. Database link: XP_508375.2
Positive control	Whole cell lysates from HeLa, 293T and Mouse NIH 3T3 cells.
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: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab99307 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		1/2000 - 1/10000. Predicted molecular weight: 58 kDa.
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/100 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Antiapoptotic factor that may have a role in protein assembly. Negatively regulates ACIN1. By binding to ACIN1, it suppresses ACIN1 cleavage from CASP3 and ACIN1-mediated DNA fragmentation. Also known to efficiently suppress E2F1-induced apoptosis. Its depletion enhances the cytotoxic action of the chemotherapeutic drugs.

Tissue specificity

Expressed in all tissues tested, including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Highest levels in heart, pancreas and placenta. Highly expressed in several cancers. Preferentially expressed in squamous cell carcinoma versus adenocarcinoma in non-small cell lung cancer.

Sequence similarities

Belongs to the API5 family.

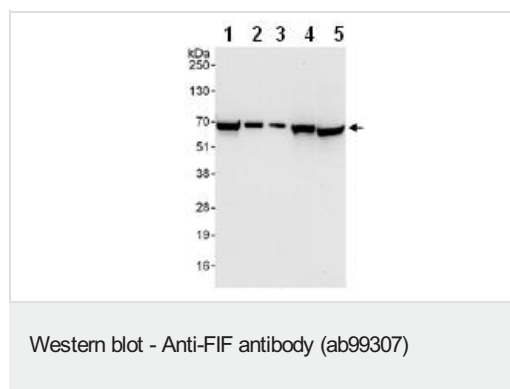
Domain

Two regions, an N-terminal (aa 96-107) and a C-terminal (aa 274-311) are required for binding FGF2.

Cellular localization

Cytoplasm and Nucleus. Cytoplasm. Mainly nuclear. Can also be cytoplasmic.

Images



All lanes : Anti-FIF antibody (ab99307) at 0.04 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

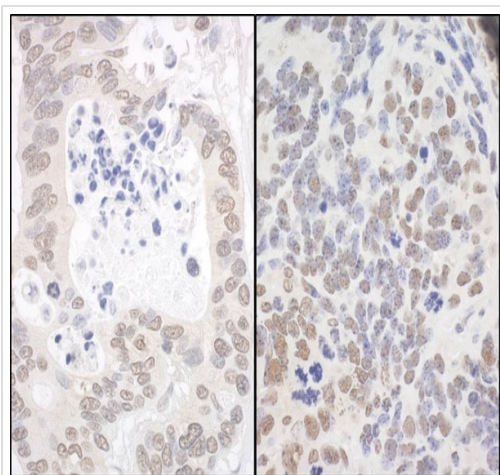
Lane 5 : NIH 3T3 whole cell

lysate at 50 µg

Developed using the ECL technique.

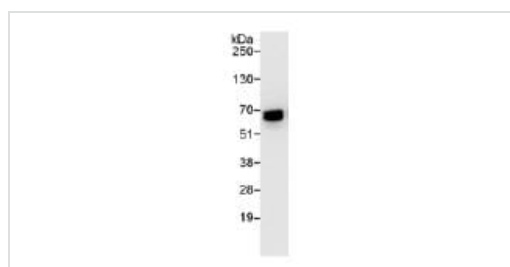
Predicted band size: 58 kDa

Exposure time: 10 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FIF antibody (ab99307)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma (left) and mouse teratoma (right) tissues labelling FIF with ab99307 at 1/1000 (0.2 µg/mg) and 1/200 (1 µg/mg). Detection: DAB.



Immunoprecipitation - Anti-FIF antibody (ab99307)

ab99307, at 0.4 µg/ml, staining FIF in HeLa whole cell lysate immunoprecipitated using ab99307 at 3 µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).
Detection: Chemiluminescence with an exposure time of 1 second.

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