abcam

Product datasheet

Anti-EIF3F antibody ab176853

2 References 3 Images

Overview

Product name	Anti-EIF3F antibody
Description	Rabbit polyclonal to EIF3F
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, WB, IP
Species reactivity	**Reacts with:** Mouse, Human **Predicted to work with:** Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Chimpanzee, Cynomolgus monkey, Rhesus monkey, Orangutan
Immunogen	Synthetic peptide within Human EIF3F aa 307-357 (C terminal). The exact sequence is proprietary. NP_003745.1 Sequence: FLMS LVNQVPKIVP DDFETMLNSN INDLLMVTYL ANLTQSQIAL NEKLVNL Database link: **O00303** Run BLAST with Run BLAST with
Positive control	WB: HeLa and NIH 3T3 whole cell lysates. IHC: Human 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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide

	Constituents: 99% Tris buffered saline, 0.1% BSA
Purity	Immunogen affinity purified
Purification notes	ab176853 was affinity purified using an epitope specific to EIF3F immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab176853 in the following tested applications.

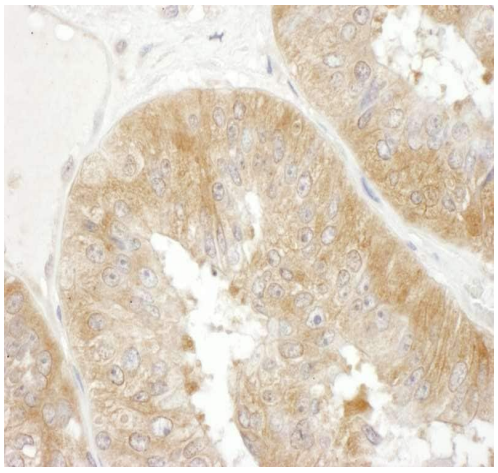
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 1 µg/ml.
WB		1/2000 - 1/10000. Predicted molecular weight: 38 kDa.
IP		Use at 2-5 µg/mg of lysate.

Target

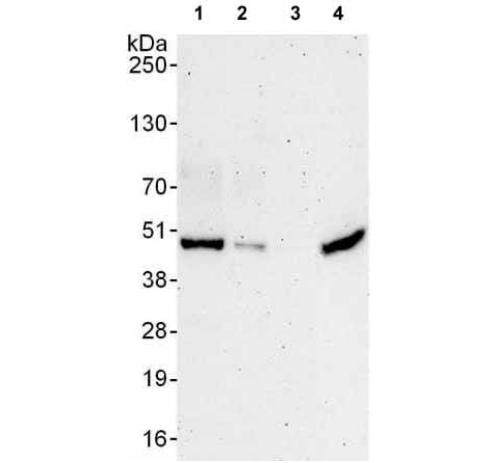
Function	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. Deubiquitinates activated NOTCH1, promoting its nuclear import, thereby acting as a positive regulator of Notch signaling.
Sequence similarities	Belongs to the eIF-3 subunit F family. Contains 1 MPN (JAB/Mov34) domain.
Domain	The MPN domain mediates deubiquitinating activity.
Post-translational modifications	Phosphorylation is enhanced upon serum stimulation. Phosphorylated during apoptosis by caspase-processed CDK11.
Cellular localization	Cytoplasm.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EIF3F antibody (ab176853)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human ovarian carcinoma tissue labelling eIF3F with ab176853 at 1 µg/mL.



Western blot - Anti-EIF3F antibody (ab176853)

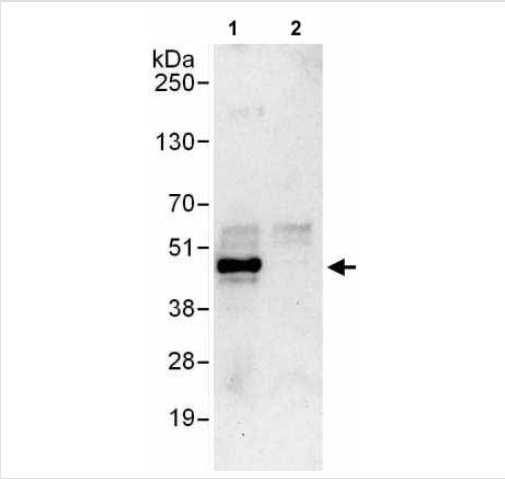
All lanes : Anti-EIF3F antibody (ab176853) at 0.04 µg/ml

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 : NIH 3T3 whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 38 kDa

Exposure time: 3 minutes



Immunoprecipitation - Anti-EIF3F antibody (ab176853)

Detection of EIF3F in Immunoprecipitates of HeLa whole cell lysates (1 mg for IP, 20% of IP loaded) using ab176853 at 6 µg/mg lysate for IP (Lane 1). For WB detection, ab176853 was used at 0.4 µg/ml. Lane 2 represents control IgG IP. Detection: Chemiluminescence with an exposure time of 30 seconds.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors