


Product datasheet

Anti-HOOK3 antibody ab173388

1 Image

Overview

Product name	Anti-HOOK3 antibody
Description	Mouse polyclonal to HOOK3
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Xenopus laevis 
Immunogen	Recombinant full length protein corresponding to Human HOOK3 aa 1-718. (NP_115786.1). Sequence: MFSVESLERAELCESLLTWIQTFNVDAPCQTVEDLTNGVV MAQVLQKIDP AYFDENWLNRIKTEVGDNWRLKISNLKKILKGILDYNHEILG QQINDFTL PDVNLIGEHSDAAEELGRMLQLILGCAVNCEQKQEYIQAIMM MEESVQHVV MTAIQELMSKESPVSAAGNDAYVDLDRQLKKTTEELNEALS AKEEIAQRCH ELDMQVAALQEEKSSLLAENQVLMERLNQSDSIEDPNSP AGRRLQLQTQ LEQLQEETFRLEAAKDDYRIRCEELEKEISELRQQNDELTT LADEAQLK DEIDVLRHSSDKVSKLEGQVESYKKKLEDLGDLRQVVKLL EEKNTMYMQN TVSLEEEELRKANAARSQLETYKRQVVELQNRLSEESKKA DKLDFEYKRLK EKVDSLQKEKDRLRTERDSLKETIEELRCVQAQEGQLTTQ GLMPLGSQES SDSLAAEIVTPEIREKLIRLQHENKMLKLNQEGSDNEKIALL QSLLDDAN LRKNELETENRLVNQRLLLEVQSQVEELQKSLQDQGSKAE DSVLLKKKLEE HLEKLHEANNELQKKRAIIEDLEPRFNSSSLKIEELQEALR KKEEEMKQM EERYKKYLEKAKSVIRTLDPKQNQGAPEIQALKNQLQER DRLFHSLEKE YEKTKSQREMEEKYVSAWYNMGMTLHKKAAEDRLASTG

SGQSFLARQRQ ATSSRRSYPGHVQPATAR

Database link: [Q86VS8](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control

HOOK3 transfected 293T cell lysate.

General notes

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as 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: 7.4 Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab173388** 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		Use a concentration of 1 µg/ml. Predicted molecular weight: 83 kDa.

Target

Function

Probably serves as a target for the spiC protein from Salmonella typhimurium, which inactivates it, leading to a strong alteration in cellular trafficking (By similarity). Component of the FTS/Hook/FHIP complex (FHF complex). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex). May regulate clearance of endocytosed receptors such as MSR1. Participates in defining the architecture and localization of the Golgi complex.

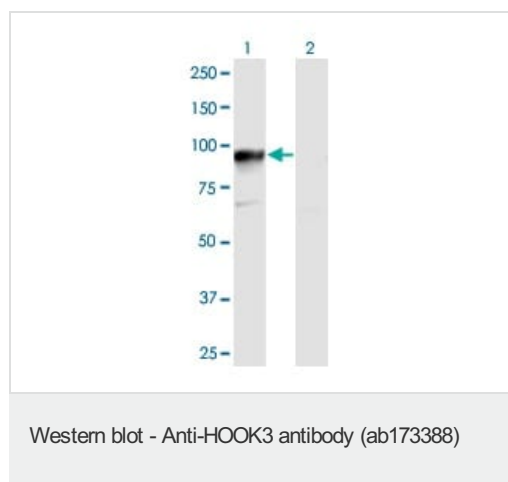
Sequence similarities

Belongs to the hook family.

Cellular localization

Cytoplasm > cytoskeleton. Golgi apparatus. Enriched at the cis-face of the Golgi complex (By similarity). Localizes to microtubule asters in prophase.

Images



All lanes : Anti-HOOK3 antibody (ab173388) at 1 µg/ml

Lane 1 : HOOK3 transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 15 µl per lane.

Secondary

All lanes : Goat anti-Mouse IgG at 1/2500 dilution

Predicted band size: 83 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
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- 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.

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