

Product datasheet

Anti-POGZ antibody ab171934

★★★★☆ 1 Abreviews 1 References 3 Images

Overview

Product name	Anti-POGZ antibody
Description	Rabbit polyclonal to POGZ
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment corresponding to Human POGZ aa 1-562 (N terminal). Sequence:

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MADTDLFMECEEELEPWQKISDVIEDSVVEDYNSVDKT
TTVSVSQQPVS
APVPIAAHASVAGHLSTSTTVSSSGAQNSDSTKKTLVTLIA
NNNAGNPLV
QQGGQPLILTQNPAPGLGTMVTQPVLRPVQVMQNaNHVT
SSPVASQPIFI
TTQGFVVRNVRPVQAMNQVGMLNVQQGQTVRPITLVPA
PGTQFVKPTV
GVPQVFSQMTPVRPGSTMPVRPTTNTFTVIPATLTIRSTV
PQSQSQQTK
STPSTSTTPTATQPTSLGQLAVQSPGQSNQTTNPKLAPSF
PSPPAVSIA
FVTVKRPGVTGENSNEVAKLVNTLNTIPSLGQSPGPVVVS
NNSSAHGSQR
TSGPESSMKVTSSIPVFDLQDGRKICPRCNAQFRVTEAL
RGHMCYCCPE
MVEYQKKGKSLDSEPSVPSAAKPPSPEKTAPVASTPSST
PIPALSPPTKV
PEPNENVGDAVQTKLIMLVDDFYGRDGGKVAQLTNFPK
VATSFRCPHCT
KRLKNNIRFMNHMKHHVELDQQNGEVDGHTICQHCYRQF
STPFQLQCHLE NVHSPYESTTKC
```

Database link: [Q7Z3K3](#)

[Run BLAST with](#)

[Run BLAST with](#)

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: 6.5
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab171934** 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	★★★★☆	1/1000. Predicted molecular weight: 155 kDa.
ICC/IF		1/500.

Target

Function	Plays a role in mitotic cell cycle progression and is involved in kinetochore assembly and mitotic sister chromatid cohesion. Probably through its association with CBX5 plays a role in mitotic chromosome segregation by regulating aurora kinase B/AURKB activation and AURKB and CBX5 dissociation from chromosome arms.
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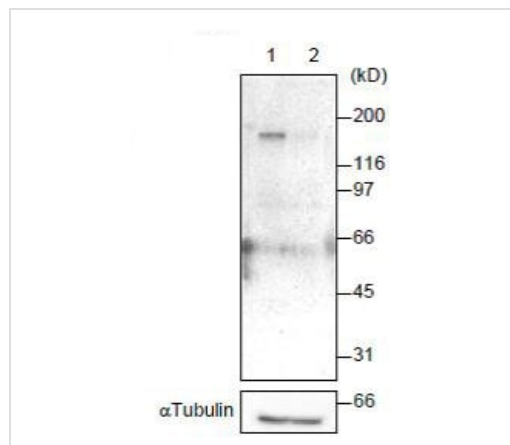
Sequence similarities

Contains 9 C2H2-type zinc fingers.
Contains 1 DDE domain.
Contains 1 HTH CENPB-type DNA-binding domain.

Cellular localization

Nucleus. Chromosome. Cytoplasm. According to some authors, it is not localized to mitotic chromatin (PubMed:19244240). Recruited to trimethylated 'Lys-9' of histone H3.

Images



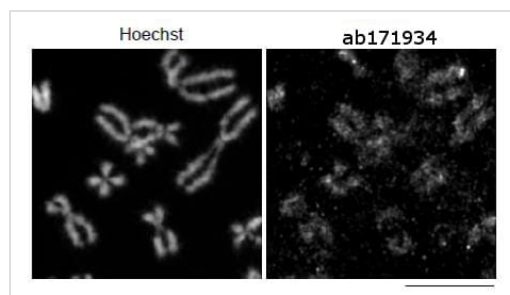
Western blot - Anti-POGZ antibody (ab171934)

All lanes : Anti-POGZ antibody (ab171934) at 1/1000 dilution

Lane 1 : Crude extract of HeLa cells transfected with control siRNA

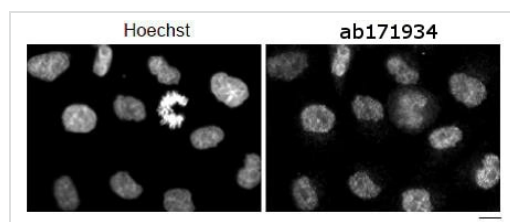
Lane 2 : Crude extract of HeLa cells transfected with POGZ siRNA

Predicted band size: 155 kDa



Immunocytochemistry/ Immunofluorescence - Anti-POGZ antibody (ab171934)

Immunofluorescent analysis of HeLa cells (chromosome spread preparations) labeling POGZ with ab171934 at 1/500 dilution and stained with Hoechst 33342.



Immunocytochemistry/ Immunofluorescence - Anti-POGZ antibody (ab171934)

Immunofluorescent analysis of Paraformaldehyde-fixed HeLa cells labeling POGZ with ab171934 at 1/500 dilution and stained with Hoechst 33342.

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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