


## Product datasheet

### Anti-POGZ antibody [EPR10612] ab167408

Recombinant RabMAb

★★★★☆ [3 Abreviews](#) [1 References](#) [9 Images](#)

#### Overview

<b>Product name</b>	Anti-POGZ antibody [EPR10612]
<b>Description</b>	Rabbit monoclonal [EPR10612] to POGZ
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF, Flow Cyt (Intra) <b>Unsuitable for:</b> IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide corresponding to Human POGZ aa 1-100.
<b>Positive control</b>	HepG2 and SH-SY5Y cell lysates; Human cervical carcinoma and Human prostate tissues; HepG2 and SH-SY5Y cells.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal

Clone number                      EPR10612

Isotype                                IgG

## Applications

**The Abpromise guarantee**                      Our **Abpromise guarantee** covers the use of ab167408 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)	1/1000 - 1/5000. Predicted molecular weight: 155 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF	★★★★★ (1)	1/100 - 1/250.
Flow Cyt (Intra)		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

**Application notes**                      Is unsuitable for IP.

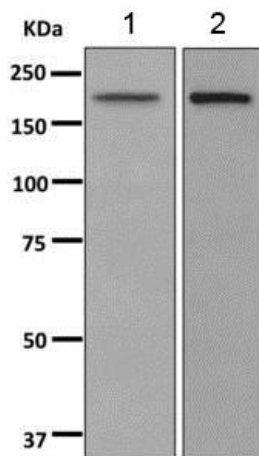
## Target

**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.

**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 [EPR10612] (ab167408)

**All lanes :** Anti-POGZ antibody [EPR10612] (ab167408) at 1/1000 dilution

**Lane 1 :** HepG2 cell lysate

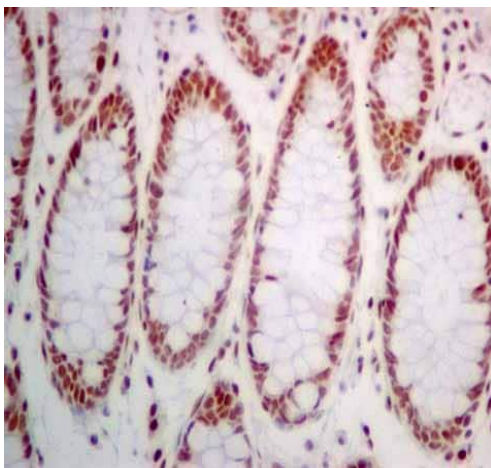
**Lane 2 :** SH-SY5Y cell lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** HRP labeled goat anti-rabbit at 1/2000 dilution

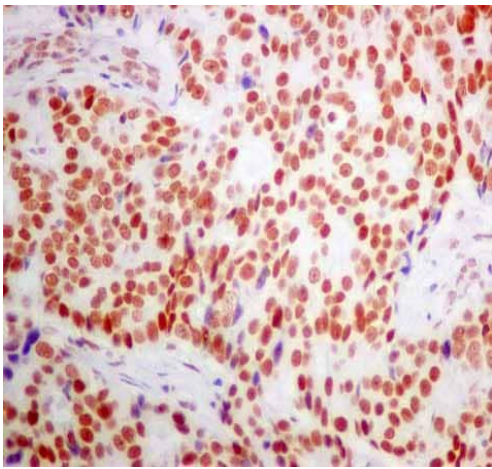
**Predicted band size:** 155 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-POGZ antibody [EPR10612] (ab167408)

ab167408 showing +ve staining in Human normal colon.

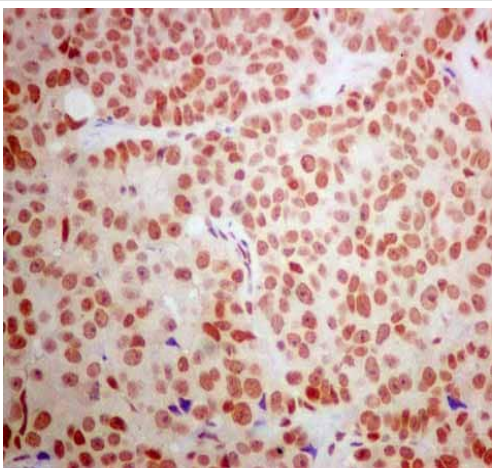
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-POGZ antibody [EPR10612] (ab167408)

ab167408 showing +ve staining in Human breast carcinoma.

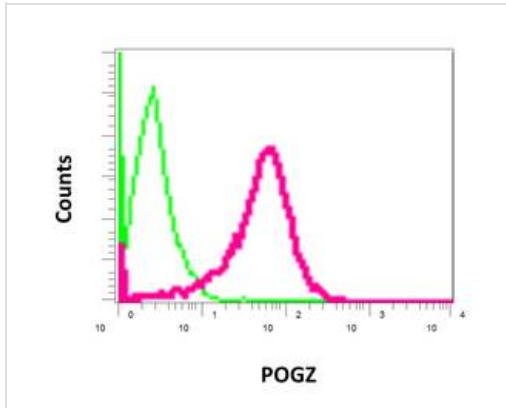
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-POGZ antibody [EPR10612] (ab167408)

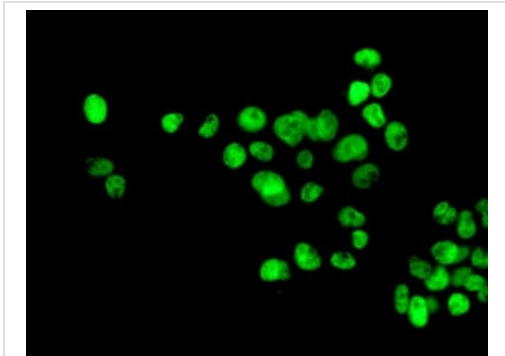
ab167408 showing +ve staining in Human ovarian carcinoma.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



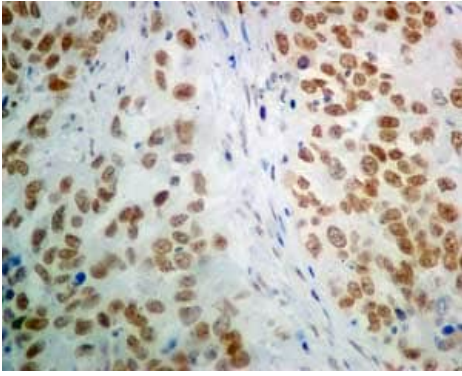
Intracellular flow cytometric analysis of permeabilized SH-SY5Y cells, labeling POGZ with ab167408 at 1/10 dilution (red) or a Rabbit IgG negative (green).

Flow Cytometry (Intracellular) - Anti-POGZ antibody  
[EPR10612] (ab167408)



Immunofluorescent staining of HepG2 cells labeling POGZ with ab167408 at 1/100 dilution.

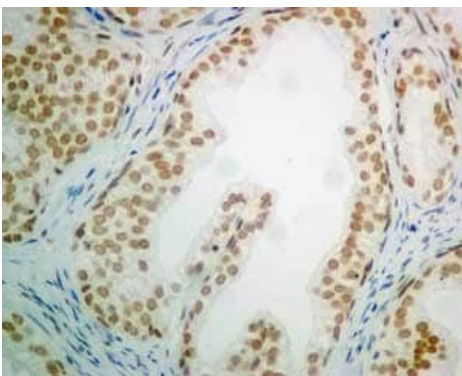
Immunocytochemistry/ Immunofluorescence - Anti-  
POGZ antibody [EPR10612] (ab167408)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-POGZ antibody [EPR10612] (ab167408)

Immunohistochemical analysis of paraffin-embedded Human cervical carcinoma tissue labeling POGZ with ab167408 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-POGZ antibody [EPR10612] (ab167408)

Immunohistochemical analysis of paraffin-embedded Human prostate tissue labeling POGZ with ab167408 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-POGZ antibody [EPR10612] (ab167408)

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

## **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