

Product datasheet

Anti-POGZ antibody ab66652

[3 Images](#)

Overview

Product name	Anti-POGZ antibody
Description	Rabbit polyclonal to POGZ
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Cat, Dog
Immunogen	Synthetic peptide within Human POGZ aa 1-50 (N terminal). The exact sequence is proprietary. Sequence: EELEPWQKISDVIEDSVVEDYNSVDKTTTVSVSQQPVSAPVPIAAHASVA Database link: Q7Z3K3 Run BLAST with Run BLAST with
Positive control	Brain lysate, human lung tissue and human kidney tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 2% Sucrose, PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab66652** in the following tested applications.

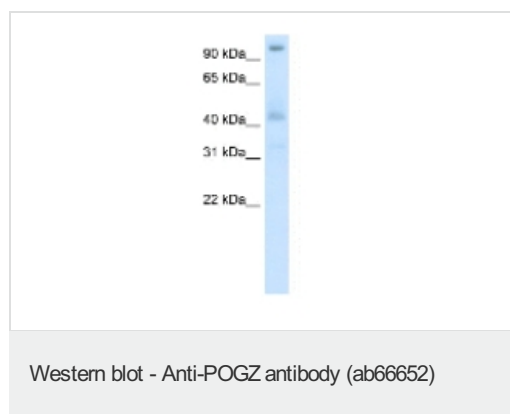
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 5 µg/ml. Detects a band of approximately >90 kDa (predicted molecular weight: 155 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
IHC-P		Use a concentration of 4 - 8 µg/ml.

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



Anti-POGZ antibody (ab66652) at 5 µg/ml +
Brain lysate at 10 µg

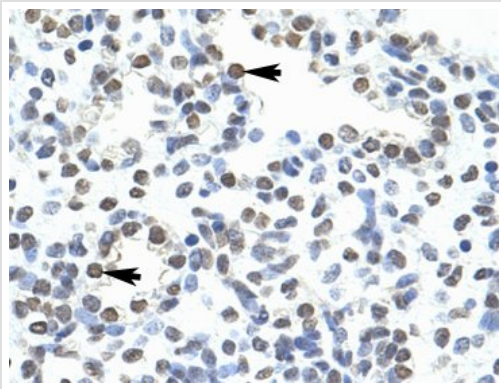
Secondary

HRP conjugated anti-Rabbit IgG at 1/50000
dilution

Predicted band size: 155 kDa

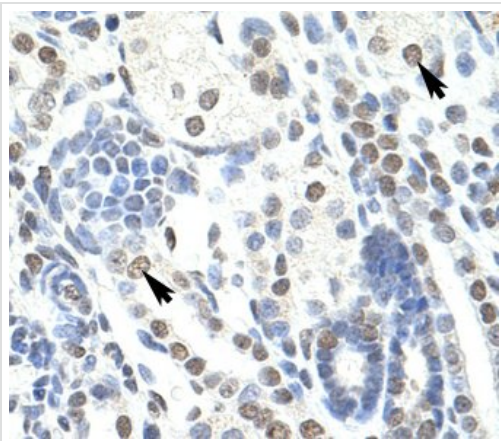
Observed band size: >90,45 kDa

Gel concentration: 12%



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung tissue labelling POGZ with ab66652 at 4-8µg/ml. Arrows indicate positively labelled alveolar cells. Magnification: 400X.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-POGZ antibody (ab66652)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling POGZ with ab66652 at 4-8µg/ml. Arrows indicate positively labelled epithelial cells of the renal tubules. Magnification: 400X.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-POGZ antibody (ab66652)

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