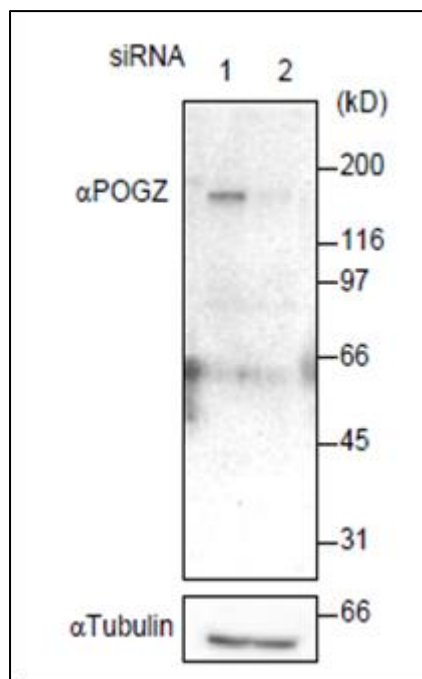


### Anti-POGZ antibody, rabbit serum

<b>Product code</b>	70-112
<b>Size</b>	100 µl
<b>Storage</b>	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing thawing.
<b>Concentration</b>	N/A
<b>Buffer</b>	Azide free
<b>Purity</b>	Rabbit antiserum
<b>Immunogen</b>	Recombinant protein expressing 1-562 amino acids of human POGZ.
<b>Isotype</b>	Rabbit IgG
<b>Reactivity</b>	Human and mouse POGZ. Not tested in other species
<b>Special notes</b>	N/A
<b>Application</b>	1. Western Blotting (1/1,000 dilution) 2. Immunofluorescence staining (1/500 dilution) 3. Immunoprecipitation (assay dependent) Not tested for other applications
<b>Background</b>	POGZ (pogo transposable element-derived protein with zinc finger domain; 1,410 aa, 155 kDa) 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 (HP1 alpha) it plays a role in mitotic chromosome segregation by regulating aurora kinase B/AURKB activation and AURKB and CBX5 dissociation from chromosome arms.
<b>Data Link</b>	UniProtKB <a href="#">Q7Z3K3</a> Human <a href="#">Entrez Gene: 23126</a> Human
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

**Data Images:** 70-112 Anti-POGZ antibody, rabbit serum



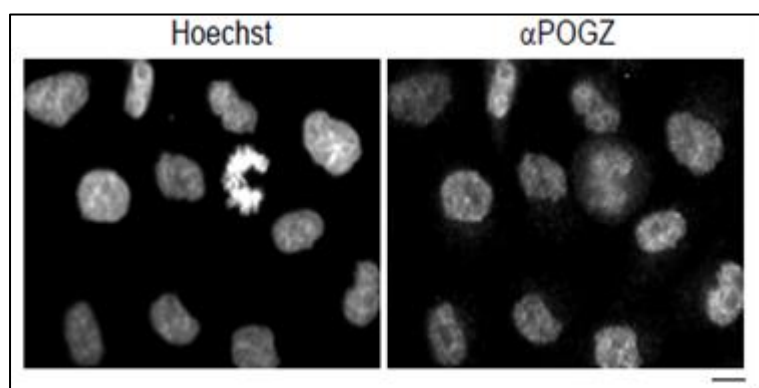
**Fig.1 Western blot of POGZ**

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

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

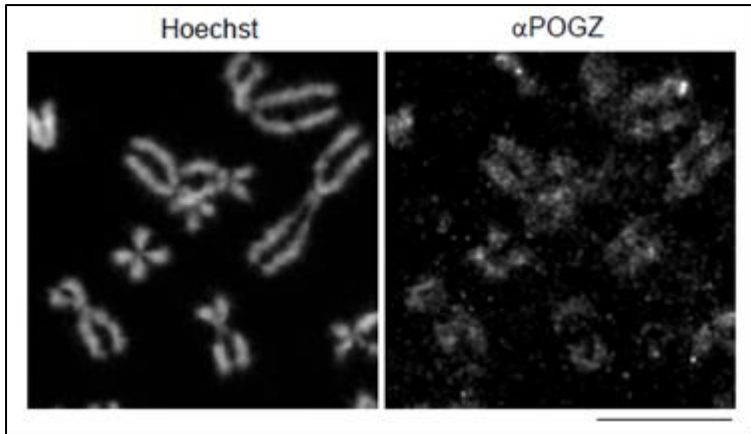
The antibody was used at 1/1,000 dilution.

Specificity of the antibody to POGZ is confirmed by the disappearance of the POGZ band in the cells treated with the POGZ specific siRNA (lane 2)



**Fig.2 Immuno-fluorescence staining of POGZ.**

Paraformaldehyde fixed HeLa cells were stained with Hoechst 33342 and anti-POGZ antibody. The antibody was used at 1/500 dilution. Scale bar, 10  $\mu$ m



**Fig. 3 Immuno-fluorescence staining of POGD on chromosomes.**

Chromosome spreads were prepared from HeLa cells and stained with Hoechst 33342 and anti-POGZ antibody. The antibody was used at 1/500 dilution. Scale bar, 10  $\mu$ m

**Reference:** This antibody was used in the following article.

1. Nozawa R.S et al (2010) **Human POGZ modulates dissociation of HP1alpha from mitotic chromosome arms through Aurora B activation.** Nat. Cell Biol. 12:719-727 [PubMed: 20562864](https://pubmed.ncbi.nlm.nih.gov/20562864/)