

Anti-POGZ antibody, rabbit serum

Product code	70-112
Size	100 μl
Storage	Store at 4° C for short term. For long term storage store at -20° C.
	Aliquot to avoid repeated freezing thawing.
Concentration	N/A
Buffer	Azide free
Purity	Rabbit antiserum
Immunogen	Recombinant protein expressing 1-562 amino acids of human POGZ.
Isotype	Rabbit IgG
Reactivity	Human and mouse POGZ. Not tested in other species
Special notes	N/A
Application	1. Western Blotting (1/1,000 dilution)
	2. Immunofluorescece staining (1/500 dilution)
	3. Immunoprecipitation (assay dependent)
	Not tested for other applications
Background	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.
Data Link	UniProtKB <u>Q7Z3K3</u> Human <u>Entrez Gene: 23126</u> 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

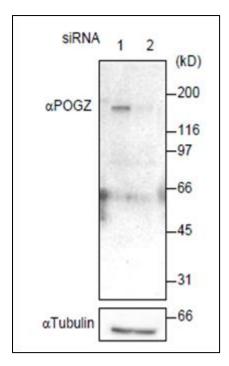


Fig.1 Western blot of POGZ

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)

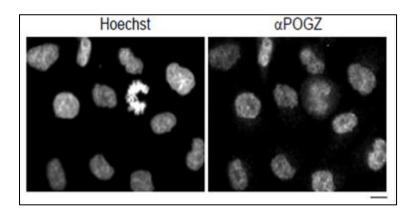


Fig.2 Immuno-fluorescence staining of POGZ.

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



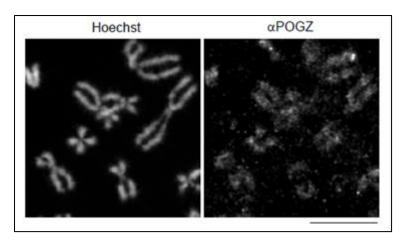


Fig. 3 Immuno-fluorescence staining of POGD on chromosomes.

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 μ 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