

## PELO Polyclonal Antibody

Catalog number: 10582-1-AP

Size: 20 µg/150 µl

Source: Rabbit

Isotype: IgG

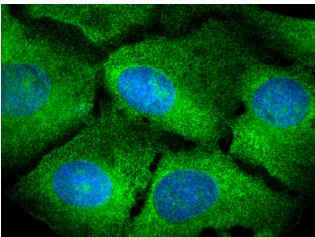
Synonyms:

PELO; CGI 17, PELO, pelota

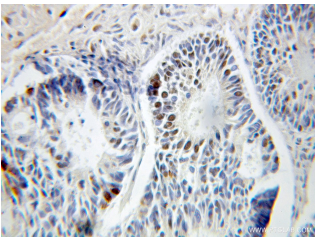
homolog (Drosophila),

PRO1770, Protein pelota

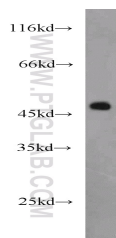
homolog



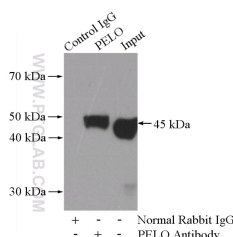
IF result of 10582-1-AP(PELO antibody) in U2OS cell by Dr. Nancy Kedersha.(cytoplasm and nucleus; Green).



Immunohistochemical of paraffin-embedded human ovary tumor using 10582-1-AP(PELO antibody) at dilution of 1:100 (under 25x lens)



SKOV-3 cells were subjected to SDS PAGE followed by western blot with 10582-1-AP(PELO antibody) at dilution of 1:1000



IP Result of anti-PELO

### Background

The *Pelo* gene was originally identified in a mutagenesis screen for spermatogenesis-specific genes of *Drosophila melanogaster*. The PELO is required for the meiotic division during the G2/M transition, and functions in recognizing stalled ribosomes and triggering endonucleolytic cleavage of the mRNA, a mechanism to release non-functional ribosomes and degrade damaged mRNAs [PMID:12556505]. It may participate in the machinery of protein synthesis or in the regulation of mRNA translation [PMID:9584085].

### Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated PELO MW:	43 kDa
Observed PELO MW:	43-45 kDa
Positive WB detected in	SKOV-3 cells, HEK-293 cells, HeLa cells, mouse cerebellum tissue, mouse thymus tissue, SH-SY5Y cells
Positive IP detected in	HEK-293 cells
Positive IHC detected in	Human ovary tumor tissue
Positive IF detected in	U2OS cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0873
GenBank accession number:	BC005889
Gene ID (NCBI):	53918
Full name:	Pelota homolog (Drosophila)

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

**(IP:10582-1-AP, 4ug;  
Detection:10582-1-AP 1:500)  
with HEK-293 cells lysate  
1200ug.**