

## Anti-PLK-1 Antibody (5W457)

### Product Details

Ig Type:	IgG1, Kappa
Reactivity:	Human
Clone:	5W457
Purification:	Protein G purified

### Applications

Verified Activity:	1. Cell line: HeLa
	Fixative: 100% Ice-cold methanol
	Permeabilization: 0.1% TritonX-100
	Primary ab dilution: 1:50
	Primary incubation condition: 4°C overnight
	Secondary ab: Goat Anti-Mouse IgG
	Nuclear counter stain: DAPI (Blue)
	Comment: Color green is the positive signal for TMAB-11558
	2. Blocking buffer: 5% NFDm/TBST
	Primary ab dilution: 1:1000
	Primary ab incubation condition: room temperature 2 h
	Secondary ab: Goat Anti-Mouse IgG H&L (HRP)
	Lysate: HepG2, Daudi, 293T
	Protein loading quantity: 20 µg
Exposure time: 30 s	
Predicted MW: 68 kDa	
Observed MW: 68 kDa	
Application:	WB, ICC/IF
Recommended	WB: 1:500-1000; ICC/IF: 1:100-500

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Gene ID:	5347
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### Research Background

The Ser/Thr protein kinase encoded by this gene belongs to the CDC5/Polo subfamily. It is highly expressed during mitosis and elevated levels are found in many different types of cancer. Depletion of this protein in cancer cells dramatically inhibited cell proliferation and induced apoptosis; hence, it is a target for cancer therapy. [provided by RefSeq, Sep 2015]

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