Data Sheet (Cat.No.TMAB-11121)

Anti-Phospho-PBK (Thr9) Antibody (5A495)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 36 kDa. Actual: 40 kDa.
Clone:	5A495
Purification:	Protein A purified

Applications

Verified Activity:	1. Hela (H) cells were treated with or without Nocodazole, 25 µg total protein per lane of cell lysates (see on figure) probed with Phospho-PBK (Thr9) monoclonal antibody, unconjugated (TMAB-11121) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min. 2. Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-PBK (Thr9) Monoclonal Antibody, Unconjugated (TMAB-11121) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining. 3. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-PBK (Thr9) Monoclonal Antibody, Unconjugated (TMAB-11121) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining. 4. Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-PBK (Thr9) Monoclonal Antibody, Unconjugated (TMAB-11121) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200

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

Immunogen:	A synthesized peptide: human PBK around the phosphorylation site of T9
Antigen Species:	Human
Gene ID:	55872
Uniprot ID:	Q96KB5

Research Background

Phosphorylates MAP kinase p38. Seems to be active only in mitosis. May also play a role in the activation of lymphoid cells. When phosphorylated, forms a complex with TP53, leading to TP53 destabilization and attenuation of G2/M checkpoint during doxorubicin-induced DNA damage.

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