

Anti-Phospho-Nucleolin (Thr84) Antibody (1K464)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 77 kDa. Actual: 100 kDa.
Clone:	1K464
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. K562 (H) cells were treated with or without Calyculin A (100 nM) for 30 min, 25 µg total protein per lane of cell lysates (see on figure) probed with Phospho-Nucleolin (Thr84) monoclonal antibody, unconjugated (TMAB-11070) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p> <p>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-Nucleolin (Thr84) Monoclonal Antibody, Unconjugated (TMAB-11070) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.</p> <p>3. Paraformaldehyde-fixed, paraffin embedded Human Ovarian Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-Nucleolin (Thr84) Monoclonal Antibody, Unconjugated (TMAB-11070) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.</p> <p>4. Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-Nucleolin (Thr84) Monoclonal Antibody, Unconjugated (TMAB-11070) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.</p> <p>5. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-Nucleolin (Thr84) Monoclonal Antibody, Unconjugated (TMAB-11070) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.</p>
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 NCL around the phosphorylation site of T84
Antigen Species: Human
Gene ID: 4691
Uniprot ID: P19338

Research Background

Nucleolin is the major nucleolar protein of growing eukaryotic cells. It is found associated with intranucleolar chromatin and pre-ribosomal particles. It induces chromatin decondensation by binding to histone H1. It is thought to play a role in pre-rRNA transcription and ribosome assembly. May play a role in the process of transcriptional elongation. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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