

bs-10997R**[Primary Antibody]****phospho-CDK7 (Thr170) Rabbit pAb****Bioss**
ANTIBODIES

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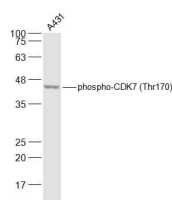
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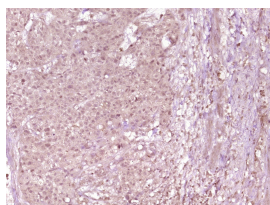
400-901-9800

— DATASHEET —

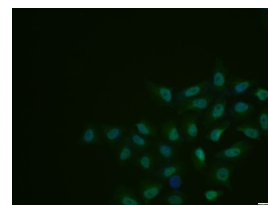
Host: Rabbit Clonality: Polyclonal GeneID: 1022 Target: phospho-CDK7 (Thr170) Immunogen: KLH conjugated Synthesised phosphopeptide derived from human CDK7 around the phosphorylation site of Thr170: AY(p-T)HQ. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of <i>Saccharomyces cerevisiae</i> cdc28, and <i>Schizosaccharomyces pombe</i> cdc2, and are known to be important regulators of cell cycle progression. This protein forms a trimeric complex with cyclin H and MAT1, which functions as a Cdk-activating kinase (CAK). It is an essential component of the transcription factor TFIIF, that is involved in transcription initiation and DNA repair. This protein is thought to serve as a direct link between the regulation of transcription and the cell cycle.	Isotype: IgG SWISS: P50613	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100) Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Dog, Horse) Predicted MW.: 39 kDa Subcellular Location: Cytoplasm ,Nucleus
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— VALIDATION IMAGES —

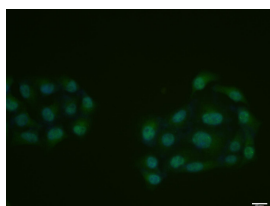
Sample: A431(Human) Cell Lysate at 30 ug
Primary: Anti-phospho-CDK7 (Thr170)
(bs-10997R) at 1/500 dilution Secondary:
IRDye800CW Goat Anti-Rabbit IgG at 1/20000
dilution Predicted band size: 39 kD Observed
band size: 39 kD



Paraformaldehyde-fixed, paraffin embedded
(Human esophageal carcinoma); Antigen
retrieval by boiling in sodium citrate buffer
(pH6.0) for 15min; Block endogenous peroxidase
by 3% hydrogen peroxide for 20 minutes;
Blocking buffer (normal goat serum) at 37°C for
30min; Antibody incubation with (phospho-
CDK7 (Thr170)) Polyclonal Antibody,
Unconjugated (bs-10997R) at 1:400 overnight at
4°C, followed by operating according to SP
Kit(Rabbit) (sp-0023) instructions and DAB
staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton
X-100 at room temperature for 20 min; Blocking
buffer (normal goat serum, C-0005) at 37°C for 20
min; Antibody incubation with (phospho-CDK7
(Thr170)) polyclonal Antibody, Unconjugated
(bs-10997R) 1:100, 90 minutes at 37°C; followed
by a conjugated Goat Anti-Rabbit IgG antibody
at 37°C for 90 minutes, DAPI (blue, C02-04002)
was used to stain the cell nuclei.



Hela cell; 4% Paraformaldehyde-fixed; Triton
X-100 at room temperature for 20 min; Blocking

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-CDK7 (Thr170)) polyclonal Antibody, Unconjugated (bs-10997R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.