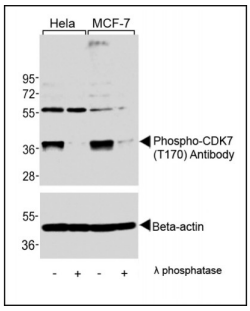
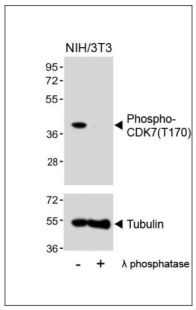
CDK7 (pT170) Antibody

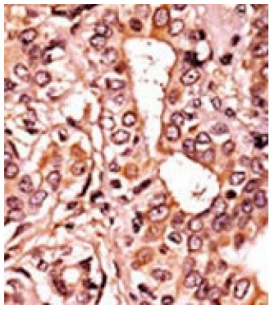
Catalogue No.:abx031850



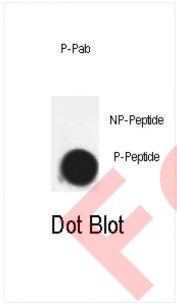
WB analysis of extracts of HeLa and MCF-7 cells, untreated or lamda phosphatase-treated, using CDK7 (pT170) Antibody (upper) or Beta-actin (lower).



WB analysis of NIH/3T3 cell line lysates, untreated or lamda phosphatase-treated, using CDK7 (pT170) Antibody (upper) or Tubulin (lower).



IHC-P analysis of Human breast cancer tissue, using CDK7 (pT170) Antibody and AEC staining.



Dot blot analysis of CDK7 (pT170) Antibody (0.5 µg/ml) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phopho-peptide per dot were adsorbed.

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 Saccharomyces cerevisiae cdc28, and Schizosaccharomyces pombe 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 TFIIH, 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.

Target: CDK7 (pT170)

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Clonality:	Polyclonal
Target Modification:	Thr170
Modification:	Phosphorylation
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB, IHC, DB
Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/50 - 1/100, DB: 1/500. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T170 of human CDK7.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P50613 (UniProt, ExPASy)
NCBI Accession:	NP_001790.1
KEGG:	hsa:1022
String:	9606.ENSP00000256443
Molecular Weight:	Calculated MW: 39 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Mouse CDK7.
Concentration:	0.5 mg/ml

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