



Cdc6 (phospho Ser54) Polyclonal Antibody

Catalog No	YP-Ab-16615
Isotype	IgG
Reactivity	Human;Mouse;Monkey
Applications	WB;IHC;IF;ELISA
Gene Name	CDC6
Immunogen	The antiserum was produced against synthesized peptide derived from human CDC6 around the phosphorylation site of Ser54. AA range:20-69
Specificity	Phospho-Cdc6 (S54) Polyclonal Antibody detects endogenous levels of Cdc6 protein only when phosphorylated at S54.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cdc 18L;Cdc 6;CDC18 (cell division cycle 18;S.pombe;homolog) like;CDC18 (S.pombe);Cdc18 related protein;CDC18(S.pombe);Cdc18-related protein;Cdc18L;cdc6;CDC6 cell division cycle 6 homolog;CDC6 related protein;CDC6-related protein;CDC6_HUMAN;Cdc6p;CELL CYCLE CONTROLLER CDC6;Cell division control protein 6;Cell division control protein 6 homolog;Cell division cycle 6 homolog (S. cerevisiae);Cell division cycle 6 homolog;Cell division cycle 6;S. cerevisiae;homolog of;HsCDC 6;HsCDC18;HsCDC6;p62;p62(cdc 6);p62(cdc6)
Observed Band	62kD
Calculated Molecular Weight	62kD
Cell Pathway	Nucleus . Cytoplasm . The protein is nuclear in G1 and cytoplasmic in S-phase cells (PubMed:9566895). .
Tissue Specificity	Brain,Epithelium,
Function	function:Involved in the initiation of DNA replication. Also participates in checkpoint controls that ensure DNA replication is completed before mitosis is initiated.,similarity:Belongs to the CDC6/cdc18 family.,subcellular location:The protein is nuclear in G1 and cytoplasmic in S-phase cells.,subunit:Interacts with



PCNA, ORC1L, cyclin-CDK and HUWE1.,

Background

The protein encoded by this gene is highly similar to *Saccharomyces cerevisiae* Cdc6, a protein essential for the initiation of DNA replication. This protein functions as a regulator at the early steps of DNA replication. It localizes in cell nucleus during cell cycle G1, but translocates to the cytoplasm at the start of S phase. The subcellular translocation of this protein during cell cycle is regulated through its phosphorylation by Cdk. Transcription of this protein was reported to be regulated in response to mitogenic signals through transcriptional control mechanism involving E2F proteins. [provided by RefSeq, Jul 2008],

matters needing attention

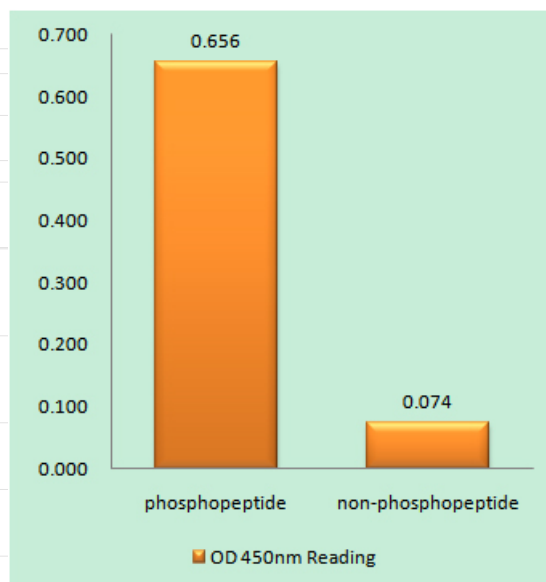
Avoid repeated freezing and thawing!

Usage suggestions

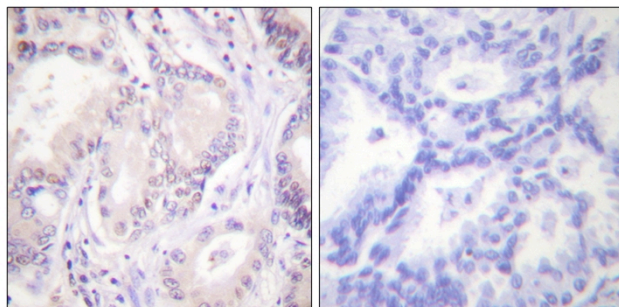
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



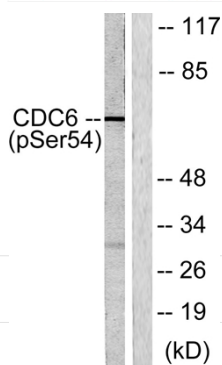
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using CDC6 (Phospho-Ser54) Antibody



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using CDC6 (Phospho-Ser54) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells treated with EGF 200ng/ml 30', using CDC6 (Phospho-Ser54) Antibody. The lane on the right is blocked with the phospho peptide.