

**Claspin (Phospho Ser30) rabbit pAb**

<b>Catalog No :</b>	YP1768
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	Claspin
<b>Gene Name :</b>	CLSPN
<b>Protein Name :</b>	Claspin (Phospho-Ser30)
<b>Human Gene Id :</b>	63967
<b>Human Swiss Prot No :</b>	Q9HAW4
<b>Mouse Gene Id :</b>	269582
<b>Mouse Swiss Prot No :</b>	Q80YR7
<b>Immunogen :</b>	Synthesized peptide derived from human Claspin (Phospho-Ser30)
<b>Specificity :</b>	This antibody detects endogenous levels of Claspin (Phospho-Ser30) at Human, Mouse,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15 °C to -25 °C/1 year(Do not lower than -25 °C)

**Molecularweight :** 147kD

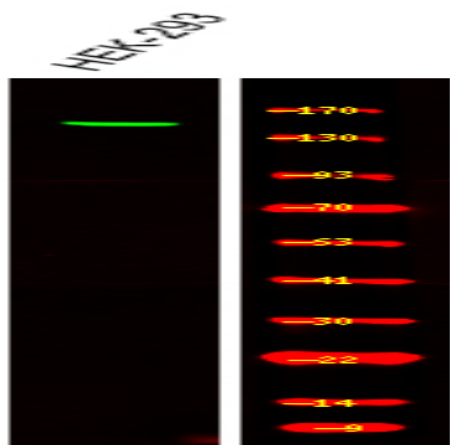
**Background :** The product of this gene is an essential upstream regulator of checkpoint kinase 1 and triggers a checkpoint arrest of the cell cycle in response to replicative stress or DNA damage. The protein is also required for efficient DNA replication during a normal S phase. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010],

**Function :** domain:The C-terminus of the protein contains 3 potential CHEK1-binding motifs (CKB motifs). Potential phosphorylation sites within CKB motif 1 and CKB motif 2 are required for interaction with CHEK1.,function:Required for checkpoint mediated cell cycle arrest in response to inhibition of DNA replication or to DNA damage induced by both ionizing and UV irradiation. Adapter protein which binds to BRCA1 and the checkpoint kinase CHEK1 and facilitates the ATR-dependent phosphorylation of both proteins. Can also bind specifically to branched DNA structures and may associate with S-phase chromatin following formation of the pre-replication complex (pre-RC). This may indicate a role for this protein as a sensor which monitors the integrity of DNA replication forks.,induction:Expression peaks at S/G2 phases of the cell cycle.,PTM:Phosphorylated during activation of DNA replication or DNA damage

**Subcellular Location :** Nucleus .

**Expression :** Bone marrow,Epithelium,PCR rescued clones,Skin,

## Products Images



Western Blot analysis of various,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000