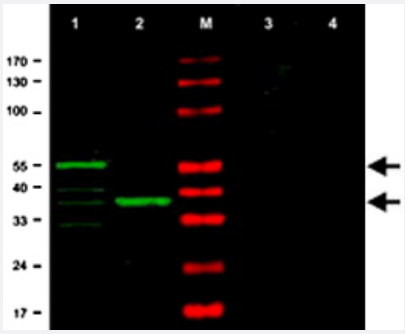
CHK1 polyclonal antibody

Catalog # PAB11360 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot using CHK1 polyclonal antibody (Cat # PAB11360) shows detection of bands corresponding to CHK1 in Saccharomyces cerevisiae lysates.
Two strains of S.cerevisiae were tested. Lane 1 shows a predominant band at ~60 KDa. Lane 2 shows a predominant band at ~38 KDa.
Specific band staining is blocked when antibody is preincubated for 45 min at room temperature with 50 ug of peptide immunogen (lanes 3 and 4 respectively).
Lysates were separated by 4-20% SDS-PAGE and transferred onto nitrocellulose.
After blocking, the membrane was probed for 2 h at room temperature with the primary antibody diluted to 1:750 in blocking buffer diluted 1:5 in PBS.
The membrane was washed and reacted with a 1:10,000 dilution of IRDye™800 conjugated Gt-a-Rabbit IgG [H&L] MX for 45 minat room temperature (800 nm channel, green).
Molecular weight estimation was made by comparison to prestained MW markers in lane M (700 nm channel, red).
IRDye™800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CHK1.
Immunogen	A synthetic peptide corresponding to amino acids 312-327 of Saccharomyces cerevisiae CHK1.
Host	Rabbit
Reactivity	Yeast

Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000-1:10000) Western Blot (1:200-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH_2PO_4, 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CHK1

Entrez GeneID	852577
Protein Accession#	P38147;NP_009833
Gene Name	CHK1

Gene Alias	-
Gene Description	Chk1p
Gene Ontology	Hyperlink
Gene Summary	mediates cell cycle arrest via phosphorylation of Pds1p; phosphorylated by checkpoint signal transducer Mec1p; homolog of S. pombe and mammalian Chk1 checkpoint kinase
Other Designations	Serine/threonine kinase and DNA damage checkpoint effector, mediates cell cycle arrest via phosphorylation of Pds1p; phosphorylated by checkpoint signal transducer Mec1p; homolog of S. pombe and mammalian Chk1 checkpoint kinase

Publication Reference

- Control of the DNA damage checkpoint by chk1 and rad53 protein kinases through distinct mechanisms.

  Sanchez Y, Bachant J, Wang H, Hu F, Liu D, Tetzlaff M, Elledge SJ.

  Science 1999 Nov; 286(5442):1166.