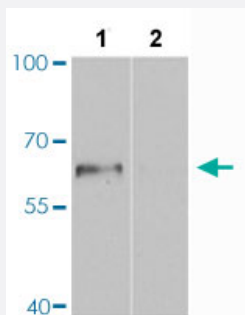


CHEK1 (phospho S317) polyclonal antibody

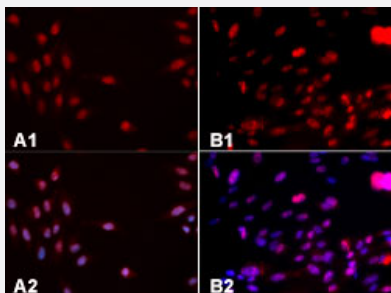
Catalog # PAB29591 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: Untreated MCF-7 cells, Lane 2: Peptide treated MCF-7 cells with CHEK1 (phospho S317) polyclonal antibody (Cat # PAB29591) at 1:500-1:2000 dilution.



Immunofluorescence

Immunofluorescent staining of MCF-7 cells (A1 and A2) and U-2 OS cells (B1 and B2) with CHEK1 (phospho S317) polyclonal antibody (Cat # PAB29591) at 1:50-1:200 dilution. Blue: DAPI for nuclear staining.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human CHEK1.
Immunogen	A synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S317 of human CHEK1.
Host	Rabbit
Theoretical MW (kDa)	54
Reactivity	Human
Specificity	CHEK1 (phospho S317) polyclonal antibody detects endogenous levels of human CHEK1 only when phosphorylated at serine 317.

Form	Liquid
Purification	Affinity chromatography
Recommend Usage	Immunofluorescence (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg ²⁺ and Ca ²⁺), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: Untreated MCF-7 cells, Lane 2: Peptide treated MCF-7 cells with CHEK1 (phospho S317) polyclonal antibody (Cat # PAB29591) at 1:500-1:2000 dilution.

- Immunofluorescence

Immunofluorescent staining of MCF-7 cells (A1 and A2) and U-2 OS cells (B1 and B2) with CHEK1 (phospho S317) polyclonal antibody (Cat # PAB29591) at 1:50-1:200 dilution. Blue: DAPI for nuclear staining.

Gene Info — CHEK1

Entrez GeneID	1111
Protein Accession#	O14757
Gene Name	CHEK1
Gene Alias	CHK1
Gene Description	CHK1 checkpoint homolog (S. pombe)
Omim ID	603078
Gene Ontology	Hyperlink
Gene Summary	S. pombe
Other Designations	CHK1 checkpoint homolog Checkpoint, S. pombe, homolog of, 1

Pathway

- [Cell cycle](#)
- [p53 signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Adenofibroma](#)
- [Ataxia telangiectasia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [DNA Damage](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Microsatellite Instability](#)
- [Neoplasms](#)

- [Neuroma](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)