OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP09303PU-N

CHK1 (312-327) Rabbit Polyclonal Antibody

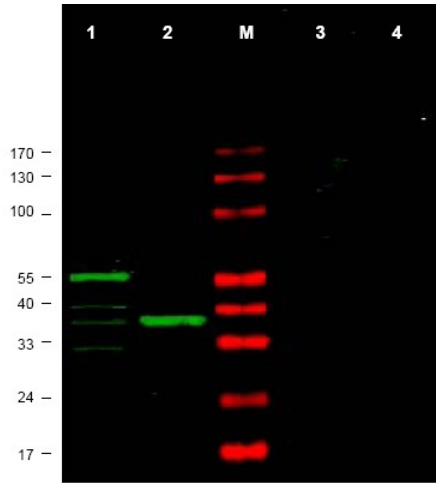
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1/2,000 - 1/10,000. Western Blot: 1/200 - 1/2,000.
Reactivity:	Yeast
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding aa 312-327 of S. cerevisiae CHK1
Specificity:	This antibody is directed against yeast CHK1 protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 0.01% (w/v) Sodium Azide State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P38147
Background:	CHK1 (also known as serine/threonine-protein kinase CHK1 and checkpoint kinase 1) is involved in cell cycle arrest when DNA damage has occurred or when unligated DNA is present. The kinase controls phosphorylation and abundance of PDS1 to prevent anaphase entry. Also helps prevent mitotic exit. CHK1 is localized within the nucleus.
Synonyms:	CHEK1, CHEK-1

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Product images:



Western blot using Affinity Purified anti-Yeast CHK1 antibody shows detection of a 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 (TM)800 conjugated Gt-a-Rabbit IgG [H&L] MX for 45 min at 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 (TM)800 fluorescence image was captured using the Odyssey (R) Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US