

Product datasheet for **AP55720PU-S**

Cyclin H (CCNH) pThr315 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1:500~1:1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of threonine 315 (E-W-T(p)-D-D) derived from Human Cyclin H (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of Cyclin H only when phosphorylated at threonine 315.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	36 kDa
Gene Name:	cyclin H
Database Link:	Entrez Gene 902 Human P51946



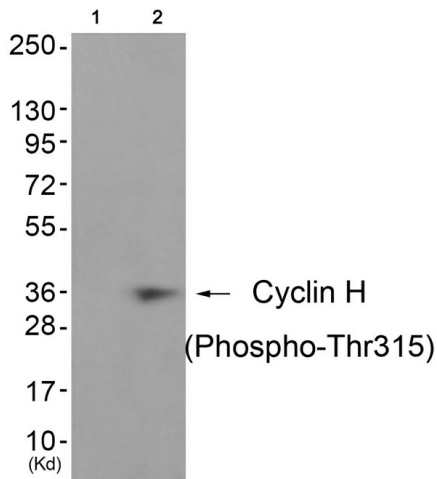
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Background:

Regulates CDK7, the catalytic subunit of the CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIIF basal transcription factor activates RNA polymerase II by serine phosphorylation of the repetitive C-terminal domain (CTD) of its large subunit (POLR2A), allowing its escape from the promoter and elongation of the transcripts. Involved in cell cycle control and in RNA transcription by RNA polymerase II. Its expression and activity are constant throughout the cell cycle.

Synonyms:

Cyclin-H, MO15-associated protein, p37, p34, CCNH

Product images:

Western blot analysis of extracts from JK cells (Lane 2), using Cyclin H (Phospho-Thr315) Antibody. The lane on the left is treated with antigen-specific peptide.