

Product datasheet for **AM50623PU-N**

Cyclin H Mouse Monoclonal Antibody [Clone ID: AT3G6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT3G6
Applications:	ELISA, WB
Recommended Dilution:	The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution for Western blot analysis is 1:1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human Cyclin H (1-323aa) purified from E.coli.
Formulation:	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol. State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cyclin H
Database Link:	Entrez Gene 902 Human P51946



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Background:

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kises. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with CDK7 kise and ring finger protein MAT1. The kise complex is able to phosphorylate CDK2 and CDC2 kises, thus functions as a CDK-activating kise (CAK). This cyclin and its kise partner are components of TFIIH, as well as R polymerase II protein complexes. They participate in two different transcriptiol regulation processes, suggesting an important link between basal transcription control and the cell cycle machinery.

Synonyms:

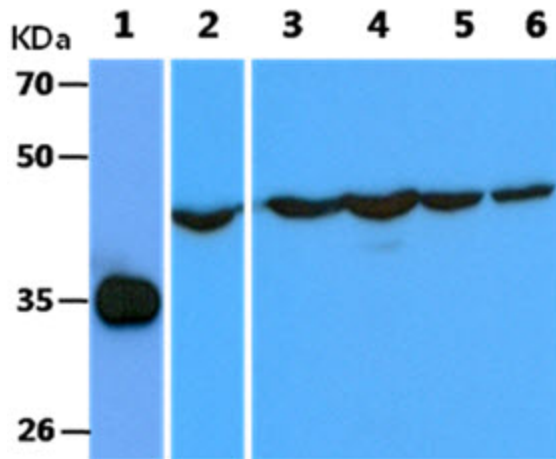
Cyclin-H, MO15-associated protein, p37, p34, CCNH

Protein Families:

Druggable Genome, Transcription Factors

Protein Pathways:

Cell cycle, Nucleotide excision repair

Product images:

The Recombinant Human Cyclin H (25ng) and Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Cyclin H antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant Human Cyclin H Lane 2.: HepG2 cell lysate Lane 3.: Jurkat cell lysate Lane 4 : Ramos cell lysate Lane 5 : Balb/3T3 cell lysate Lane 6 : A431 cell lysate