

Anti-Cyclin H (4E11) Mouse Monoclonal Antibody

Introduction

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.

Product parameters

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|-------------------|---|
| Alternative Names | CCNH; Cyclin-H; MO15-associated protein; p34; p37 |
| Gene ID | 902 |
| Gene Name | CCNH |
| SwissProt ID | P51946 |
| Host | Mouse |
| Reactivity | Human |
| Molecular Weight | Calculated MW: 38 kDa; Observed MW: 38 kDa |
| Conjugation | Unconjugated |
| Ex | - |
| Em | - |
| Modification | Unmodified |
| Clonality | IgG2b |
| Isotype | Monoclonal Antibody |
| Clonality No. | AP-4B9F1 |
| Form | Liquid |
| Concentration | See label |
| Carrier | Carrier Not Free |
| Immunogen | Purified recombinant human Cyclin H protein fragments expressed in E.coli. |
| Purification | Affinity Purified |
| Buffer System | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. |
| Application | WB, IP |
| Dilution Ratio | WB: 1/500-1/1000 IP: 1/20 |

| | |
|--------------------|----------------------------------|
| Research Field | Cell Biology |
| Product Categories | Primary antibody |
| Shipping | Blue ice |
| Storage | -20°C |
| Expiration Date | 12 months |
| Note | Please avoid freeze-thaw cycles. |



Protocol

Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.





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