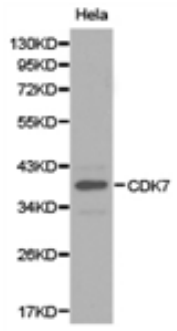
CDK7 Polyclonal Antibody

E91694

Catalog Number: E91694
Amount: 100ul
Background: CDK-activating kinase (CAK) is a complex of CDK7 and cyclin H. The complex is involved in cell cycle regulation by phosphorylating an activating residue in the T-loop domain of cdks (1). Regulation of CAK activity is mediated by T-loop phosphorylation and by association with MAT1, both of which enhance its kinase activity toward the CTD of RNA polymerase II (2,3) and other substrates such as p53 (4). CAK is an essential component of the transcription complex TFIIH and may interact directly with TFIIH helicases (5).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: CAK1; HCAK; MO15; STK1; CDKN7; p39MO15;
Immunogen: Recombinant proteinof human CDK7
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 39kDa
Swiss-Prot No. : P50613
Gene ID: 1022
References: 1. Fisher, R.P. et al. (1994) Cell 78, 713-724. 2. Larochelle, S. et al. (2001) EMBO J. 16, 3749-3759. 3. Yankulov, K.Y. et al. (1997) EMBO J. 16, 1638-1646. 4. Ko, L.J. et al. (1997) Mol. Cell. Biol. 17, 7220-7229. 5. Rossignol, M. et al. (1997) EMBO J. 16, 1628-1637.

WB 1:500 - 1:2000
IHC 1:50- 1:200



Western blot analysis of extracts of HeLacell line, using CDK7 antibody.

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