

CDK7 Rabbit pAb

Catalog No.: A1694

Basic Information

Observed MW

43kDa

Calculated MW

39kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse

Background

The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *Saccharomyces cerevisiae cdc28*, and *Schizosaccharomyces pombe cdc2*, and are known to be important regulators of cell cycle progression. This protein forms a trimeric complex with cyclin H and MAT1, which functions as a Cdk-activating kinase (CAK). It is an essential component of the transcription factor TFIID, that is involved in transcription initiation and DNA repair. This protein is thought to serve as a direct link between the regulation of transcription and the cell cycle.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

1022

Swiss Prot

P50613

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-346 of human CDK7 (NP_001790.1).

Synonyms

CAK; CAK1; HCAK; MO15; STK1; CDKN7; p39MO15; CDK7

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

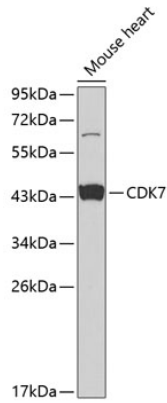
Affinity purification

Storage

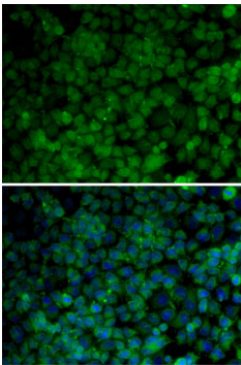
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

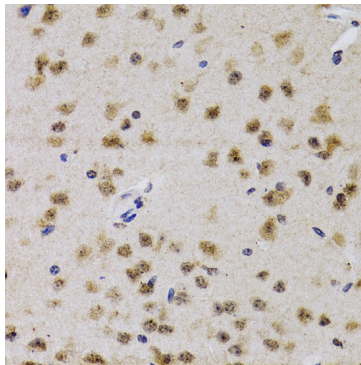
Validation Data



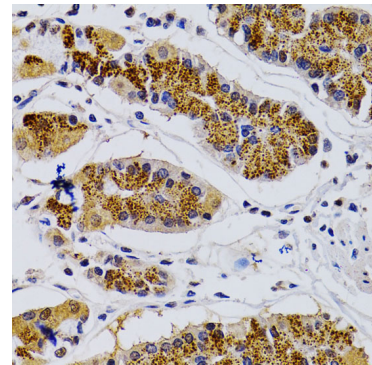
Western blot analysis of lysates from mouse heart, using CDK7 Rabbit pAb (A1694) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of HeLa cells using CDK7 Rabbit pAb (A1694). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded mouse brain using CDK7 Rabbit pAb (A1694) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human stomach using CDK7 Rabbit pAb (A1694) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.