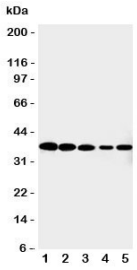
Cdk7 Antibody (R31240)

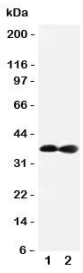
Catalog No.	Formulation	Size
R31240	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P50613
Applications	Western blot: 0.5-1ug/ml
Limitations	This Cdk7 antibody is available for research use only.



Western blot testing of Cdk7 antibody and Lane 1: HeLa; 2: MCF-7; 3: A549; 4: COLO320; 5: Jurkat cell lysate. Expected/observed molecular weight ~37 kDa.



Western blot testing of Cdk7 antibody and Lane 1: rat testis; 2: rat ovary tissue lysate. Expected/observed molecular weight ~37 kDa.

Description

Cyclin-dependent kinase 7, also known as Cell division protein kinase 7, is an enzyme that in humans is encoded by the CDK7 gene. The protein encoded by this gene is a member of the cyclin-dependent protein kinase(CDK) family. The gene was assigned to human chromosome 5q13.2. Serine/threonine kinase involved in cell cycle control and in RNA polymerase II-mediated RNA transcription. CDK7 is the catalytic subunit of the CDK-activating kinase (CAK) complex. It is required for DNA-bound peptides-mediated transcription and cellular growth inhibition.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Cdk7 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Cyclin-dependent kinase 7 (RKRTEALEQGGLPKKLIF) was used as the immunogen for this Cdk7 antibody.

Storage

After reconstitution, the Cdk7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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