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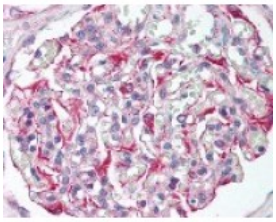
CDK7 Antibody

CATALOG NUMBER: 49-217



Immunohistochemistry staining of CDK7 in kidney tissue using CDK7 Antibody.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	IF, IHC
APPLICATIONS:	CDK7 antibody can be used in ELISA, Western Blot starting at 1:500 - 1:2000, and immunohistochemistry starting at 5 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	pSer167 pThr170
IMMUNOGEN:	CDK7 antibody was raised against a modified peptide of CDK7 (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	Phosphate-buffered solution, pH 7.2, 0.09% sodium azide, 50% glycerol.
STORAGE CONDITIONS:	Aliquot and store CDK7 antibody at -20 ˚C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	CDK7, 39 kDa protein kinase, CDK-activating kinase, CDK-activating kinase 1, CDKN7, Cell division protein kinase 7, Cyclin-dependent kinase 7, HCAK, Protein kinase, Mpk-7, Serine/threonine kinase stk1, CAK, CAK1, Crk4, Kinase subunit of CAK, MO15, p39 Mo15, p39MO15, STK1
ACCESSION NO.:	P50613
PROTEIN GI NO.:	1705722
OFFICIAL SYMBOL:	CDK7
GENE ID:	1022

Background

BACKGROUND:	CDK7, a CDC2/CDK type protein kinase, is the catalytic component of the Cdk-activating kinase (CAK) which acts as a regulator of cell cycle progression. CDK7 complexes with cyclin H and MAT1 to form CAK, and this multi-subunit protein phosphorylates the cyclin-dependent protein kinases CDC2/CDK1, CDK2, CDK4 and CDK6. CAK also associates with the transcription factor IIH (TFIIH) which functions in transcription initiation and DNA repair. TFIIH has been shown to be regulated by CDK8/cyclin C.

FOR RESEARCH USE ONLY

December 13, 2016