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CDC7 Antibody

Rabbit mAb
Catalog # AP90296

Product Information

Application	WB, FC
Primary Accession	O00311
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Cell division cycle 7-related protein kinase, EC 2.7.11.1, CDC7-related kinase, HsCdc7, huCdc7, CDC7, CDC7L1; Hsk1 ; CDC7 kinase
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	63888

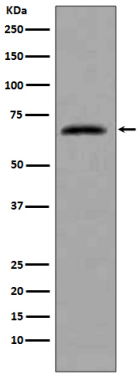
Additional Information

Dilution	WB 1:1000~1:2000 FC 1:100
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CDC7
Description	DNA replication in eukaryotic cells is dependent on the phosphorylation of the pre-replicative complex (preRC) at the origin of replication. Two complexes of proteins mediate this event, the cyclin dependent kinase (CDK) complex, and the Cdc7 kinase-ASK complex. Human Cdc7 kinase consists of 574 amino acids with a molecular weight of 55 kDa. The activity of Cdc7 kinase oscillates during cell cycle. The major targets of Cdc7 kinase are proteins that belong to the MCM complex (mini chromosome maintenance proteins).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	CDC7 (HGNC:1745)
Synonyms	CDC7L1
Function	Kinase involved in initiation of DNA replication. Phosphorylates critical substrates that regulate the G1/S phase transition and initiation of DNA replication, such as MCM proteins and CLASPIN.
Cellular Location	Nucleus.

Images



Western blot analysis of extracts from HeLa cells, using CDC7 antibody.

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