

**CDC7 Antibody (Kinase Domain)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10921****Specification**

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**CDC7 Antibody (Kinase Domain) - Product Information**

Application	IHC
Primary Accession	<a href="#">O00311</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64kDa KDa

**CDC7 Antibody (Kinase Domain) - Additional Information****Gene ID** 8317**Other Names**

Cell division cycle 7-related protein kinase, CDC7-related kinase, HsCdc7, huCdc7, 2.7.11.1, CDC7, CDC7L1

**Target/Specificity**

Human CDC7. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

CDC7 Antibody (Kinase Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

**CDC7 Antibody (Kinase Domain) - 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.

**Volume**

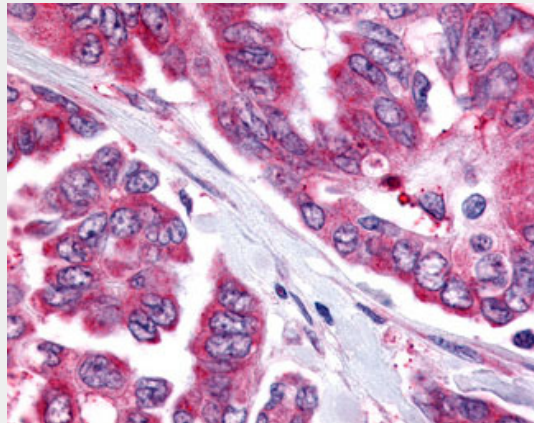
50 µl

## **CDC7 Antibody (Kinase Domain) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **CDC7 Antibody (Kinase Domain) - Images**



Anti-CDC7 antibody IHC of human Ovary, Carcinoma.

## **CDC7 Antibody (Kinase Domain) - Background**

Seems to phosphorylate critical substrates that regulate the G1/S phase transition and/or DNA replication. Can phosphorylates MCM2 and MCM3.

## **CDC7 Antibody (Kinase Domain) - References**

- Sato N., et al. EMBO J. 16:4340-4351(1997).  
Hess G.F., et al. Gene 211:133-140(1998).  
Jiang W., et al. Proc. Natl. Acad. Sci. U.S.A. 94:14320-14325(1997).  
Gregory S.G., et al. Nature 441:315-321(2006).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.