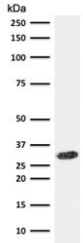
CDK1 Antibody / CDC2 [clone CDVC2-1] (V7171)

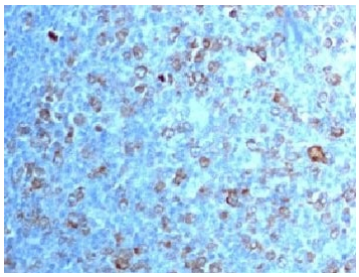
Catalog No.	Formulation	Size
V7171-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7171-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7171SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	CDVC2-1
Purity	Protein G affinity chromatography
UniProt	P06493
Localization	Nuclear and cytoplasmic
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-4ug/ml for 30 min at RT
Limitations	This CDK1 antibody is available for research use only.



Western blot testing of human HeLa cell lysate with CDK1 antibody (clone CDVC2-1). Predicted molecular weight ~33 kDa.



IHC testing of FFPE human tonsil with CDK1 antibody (clone CDVC2-1). Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

Description

Cyclin-Dependent Kinase 1 is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control. [RefSeq]

Application Notes

Titering of the CDK1 antibody may be required for optimal performance.

Immunogen

Recombinant human protein was used as the immunogen for the CDK1 antibody.

Storage

Store the CDK1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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