CDK3 Antibody

Catalog No: #36787

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Description

Product Name	CDK3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC ELISA
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CDK3 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human cyclin-dependent kinase 3
Target Name	CDK3
Other Names	CDK3; Cell division protein kinase 3; cyclin-dependent kinase 3
Accession No.	Swiss-Prot#: Q00526NCBI Gene ID: 1018Gene Accssion: NP_001249
Uniprot	Q00526
GeneID	1018;
Concentration	0.8mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

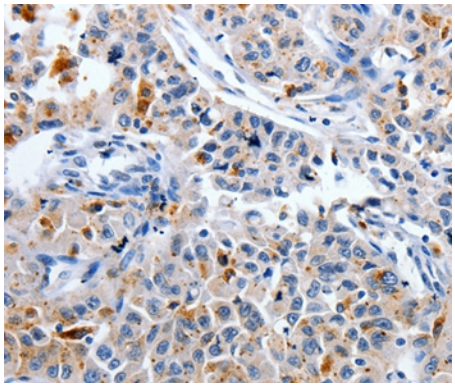
Application Details

WB dilution: 1:1000

IHC dilution: 1:100

ELISA dilution: 1:100

Images



Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue using #36787 at dilution 1/30.

Background

This gene encodes a member of the cyclin-dependent protein kinase family. The protein promotes entry into S phase, in part by activating members of the E2F family of transcription factors. The protein also associates with cyclin C and phosphorylates the retinoblastoma 1 protein to promote exit from G0. Serine/threonine-protein kinase that plays a critical role in the control of the eukaryotic cell cycle; involved in G0-G1 and G1-S cell cycle transitions. Interacts with CCNC/cyclin-C during interphase. Phosphorylates histone H1, ATF1, RB1 and CABLES1. ATF1 phosphorylation triggers ATF1 transactivation and transcriptional activities, and promotes cell proliferation and transformation. CDK3/cyclin-C mediated RB1 phosphorylation is required for G0-G1 transition. Promotes G1-S transition probably by contributing to the activation of E2F1, E2F2 and E2F3 in a RB1-independent manner.

Note: This product is for in vitro research use only