Product Datasheet

CDK9 Antibody

Catalog No: #32311

Package Size: #32311-1 50ul #32311-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	CDK9 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total CDK9 protein.
Immunogen Type	Peptide
Immunogen Description	A synthesized peptide derived from human CDK9, corresponding to a region within the internal amino acids.
Target Name	CDK9
Other Names	TAK; C-2k; CTK1; CDC2L4; PITALRE
Accession No.	Swiss-Prot:P50750NCBI Gene ID:1025
Uniprot	P50750
GeneID	1025;
SDS-PAGE MW	43KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

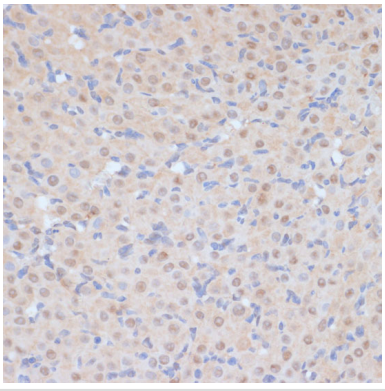
Application Details

Western blotting: 1:500 - 1:2000

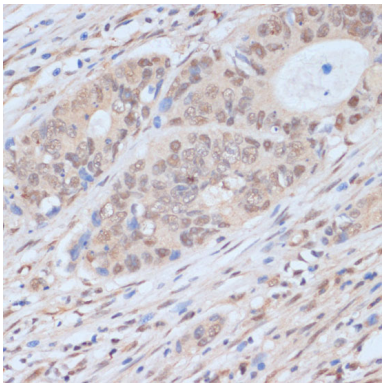
Immunohistochemistry: 1:50 - 1:100

Immunofluorescence: 1:50 - 1:200

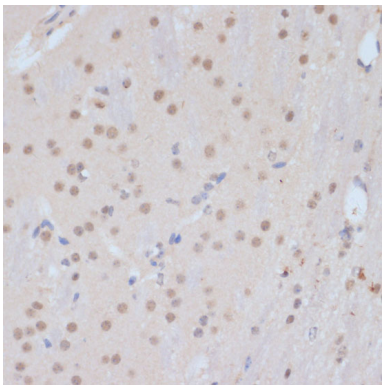
Images



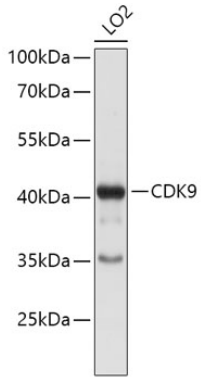
Immunohistochemistry of paraffin-embedded rat ovary using CDK9 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon carcinoma using CDK9 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using CDK9 antibody at dilution of 1:100 (40x lens).



Western blot analysis of extracts of LO2 cells, using CDK9 antibody at 1:1000 dilution.

Background

The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of S. cerevisiae cdc28, and S. pombe cdc2, and known as important cell cycle regulators. This kinase was found to be a component of the multiprotein complex TAK/P-TEFb, which is an elongation factor for RNA polymerase II-directed transcription and functions by phosphorylating the C-terminal domain of the largest subunit of RNA polymerase II. This protein forms a complex with and is regulated by its regulatory subunit cyclin T or cyclin K. HIV-1 Tat protein was found to interact with this protein and cyclin T, which suggested a possible involvement of this protein in AIDS.

Note: This product is for in vitro research use only