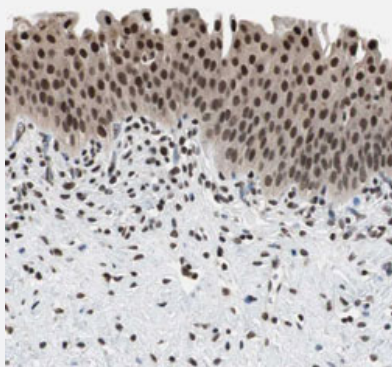


CDK9 polyclonal antibody

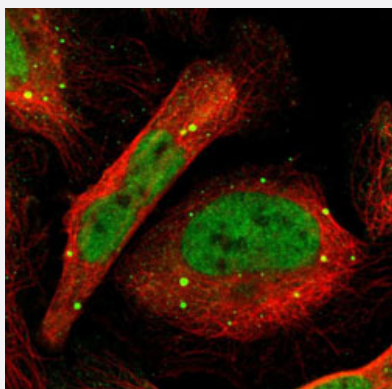
Catalog # PAB30764 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human urinary bladder with CDK9 polyclonal antibody (Cat # PAB30764) shows strong nuclear and moderate cytoplasmic positivity in urothelial cells.



Immunofluorescence

Immunofluorescent staining of U-2 OS with CDK9 polyclonal antibody (Cat # PAB30764) (Green) shows positivity in vesicles and nucleus but excluded from the nucleoli.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human CDK9.
Immunogen	Recombinant protein corresponding to human CDK9.
Sequence	HQLALISQLCGSITPEVWPNDNYELYEKLELVKGQKRKVKDRLKAYVRDPYALDLIDKLLVLDPA QRIDSDDALNHDFFWSDPMPSDLKGMLSTHLTSMFEYLAPRRRKGSGITQQSTNQSRNPATTNQ TEFE
Host	Rabbit

Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — CDK9

Entrez GeneID	1025
Protein Accession#	P50750
Gene Name	CDK9
Gene Alias	C-2k, CDC2L4, CTK1, PITALRE, TAK
Gene Description	cyclin-dependent kinase 9
Omim ID	603251
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

CDC2-related kinase|OTTHUMP00000022198|cell division protein kinase 9|serine/threonine protein kinase PITALRE