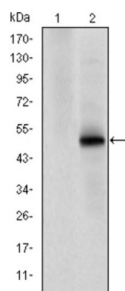
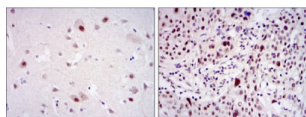


Cyclin-Dependent Kinase 9 (CDK9) Antibody

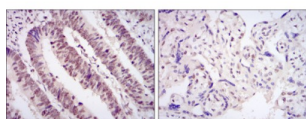
Catalogue No.: abx011759



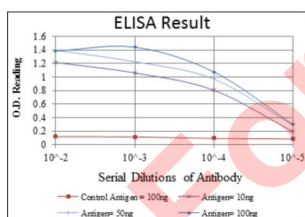
Western blot analysis using CDK9 antibody against HEK293 (1) and CDK9 (AA: 178-369) - hlgGfC transfected HEK293 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues (left) and placenta tissues (right) using CDK9 antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded brain tissues (left) and esophageal cancer tissues (right) using CDK9 antibody with DAB staining.



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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.

Target:

Cyclin-Dependent Kinase 9 (CDK9)

Datasheet

Version: 3.0.0
Revision date: 18 May 2025



Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human CDK9 expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P50750 (UniProt , ExPASy)
Gene Symbol:	CDK9
GeneID:	1025
OMIM:	603251
HGNC:	1780
KEGG:	hsa:1025
Ensembl:	ENSG00000136807
String:	9606.ENSP00000362361
Enzyme Commission Number:	EC 2.7.11.22, EC 2.7.11.23
Molecular Weight:	43 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.

Datasheet

Version: 3.0.0

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Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only