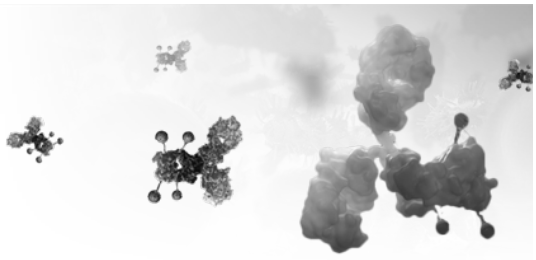

Rabbit Anti-Human CDK9 monoclonal antibody, clone L.624.2 (CABT-L1236)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	CDK9
Immunogen	Synthetic peptide corresponding to residues near the carboxy terminus of human CDK9
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Bovine, Dog, Hamster, Human, Mouse, Non-human primate, Rat
Clone	L.624.2
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	FC, ICC, IHC-F, IHC-P, IP, IF, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	None
Storage	-20°C

BACKGROUND

Introduction	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

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	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.
Keywords	CDK9;cyclin-dependent kinase 9;TAK;C-2k;CTK1;CDC2L4;PITALRE;CDC2-related kinase;cell division protein kinase 9;serine/threonine protein kinase PITALRE;cell division cycle 2-like protein kinase 4;tat-associated kinase complex catalytic subunit

GENE INFORMATION

Entrez Gene ID	1025
UniProt ID	P50750

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