

## Product datasheet for **TA354693**

### CDK9 Rabbit Polyclonal Antibody

#### Product data:

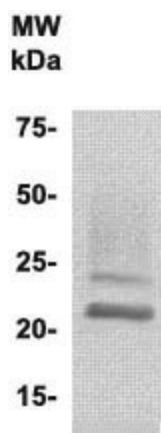
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to the C-terminus of human CDK9 protein. This sequence is identical to human, rat and mouse.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	~22 kDa
Gene Name:	cyclin-dependent kinase 9
Database Link:	<a href="#">NP_001252</a> <a href="#">Entrez Gene 1025 Human</a> <a href="#">P50750</a>
Background:	CDK9 belongs to a member of the cyclin-dependent protein kinase (CDK) family. It is also known as an important cell cycle regulator. 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. The CDK9 C-terminal tail sequence is important for the catalytic mechanism and imposes an ordered binding of substrates and release of products. It is regulated by the phosphorylation of CDK9 at Thr 29, Thr186.
Synonyms:	C-2k; CDC2L4; CTK1; PITALRE; TAK



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Protein Families: Druggable Genome, Protein Kinase, Transcription Factors

### Product images:



WB: The cell lysate derived HepG2 was in 12% SDS-PAGE, transferred onto NC membrane, and immunoblotted by Rabbit anti-PLAC1 at 1:500. An immunoreactive major band was observed at ~22 kDa.