

Anti-Cdk9 Antibody [ARC0527] (A81021)

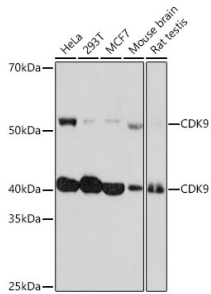
Specifications:

Name:	Anti-Cdk9 Antibody [ARC0527]
Description:	Rabbit monoclonal [ARC0527] antibody to Cdk9.
Applications:	WB, IHC, ICC/IF, IP, ChIP, ChIP-seq
Recommended Dilutions:	WB: 1:100-1:500, IHC: 1:50-1:200, ICC/IF: 1:50-1:200, IP: 1:500-1:1,000, ChIP: 1:50-1:200, ChIP-seq: 2-4µg/IP, CUT&Tag: 16 cells/5µg
Reactivity:	Human, Mouse, Rat
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 273-372 of human CDK9 (P50750).
Sequence:	RKVKDRLKAYVRDPYALDLIDKLLVLDPAQRIDSDDALNHDFFWSDPMPSDLKGMLST HLTSMFEYLAPPRRKGSGITQQSTNQSRNPATTNQTEFERVF
Host:	Rabbit
Clonality:	Monoclonal
Clone ID:	ARC0527
Isotype:	IgG
Conjugate:	Unconjugated
Purification:	Affinity purification.
Molecular Weight:	42 kDa / 55 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline, pH 7.3, with 50% Glycerol, 0.05% BSA, and 0.02% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

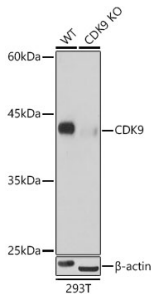
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Images:

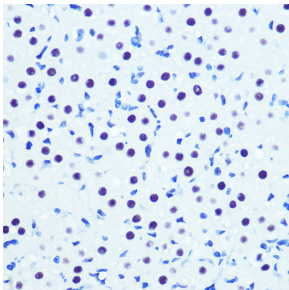
CUT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina from 105 K562 cells with 5µg of Anti-Cdk9 Antibody [ARC0527] (A81021), and Goat Anti-Rabbit IgG H&L Antibody. The CUT&Tag results indicate the enrichment pattern of CDK9 in representative gene loci (RAC1), as shown in figure.



Western blot analysis of extracts of various cell lines, using Anti-Cdk9 Antibody [ARC0527] (A81021) at 1:1,000 dilution. The secondary antibody was Goat Anti-Rabbit IgG H&L Antibody (HRP) at 1:10,000 dilution. Lysates/proteins were present at 25µg per lane. The blocking buffer used was 3% non-fat dry milk in TBST. Detection was with a ECL Basic Kit. Exposure time: 3min.



Western blot analysis of extracts from wild type (WT) and CDK9 knockout (KO) 293T cells, using Anti-Cdk9 Antibody [ARC0527] (A81021) at 1:500 dilution. The secondary antibody was Goat Anti-Rabbit IgG H&L Antibody (HRP) at 1:10,000 dilution. Lysates/proteins were present at 25µg per lane. The blocking buffer used was 3% non-fat dry milk in TBST. Detection was with a ECL Basic Kit. Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded rat ovary using Anti-Cdk9 Antibody [ARC0527] (A81021) at a dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.