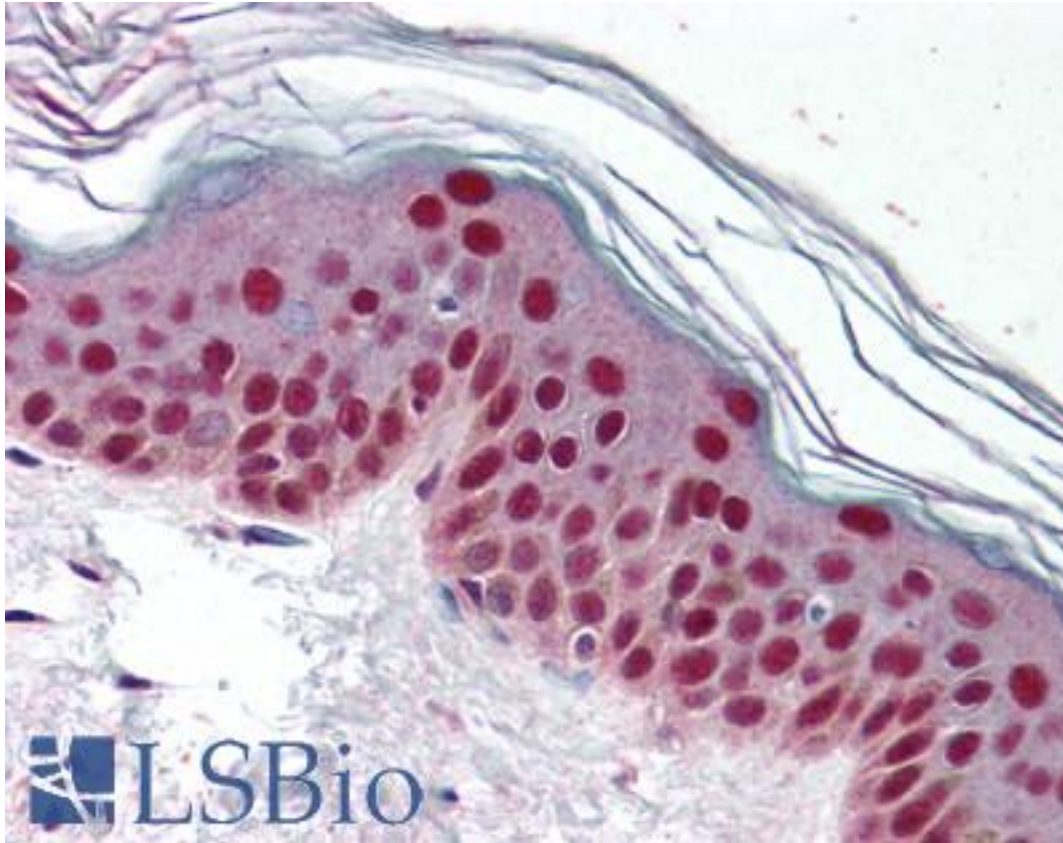


CDK9 Rabbit anti-Human Polyclonal Antibody - LS-B354 - LSBio

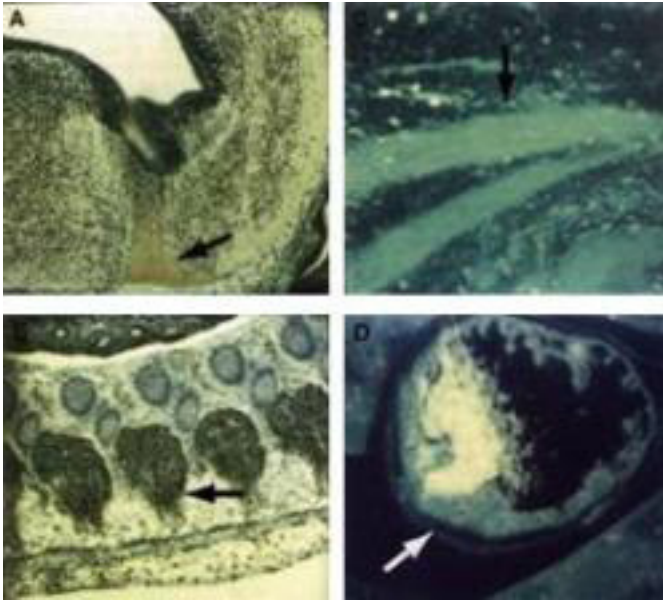
CatalogID:	LS-B354
Validation:	This antibody replaces catalog number LS-C18890. It has been validated for use in the following assays: IHC.
Target:	cyclin-dependent kinase 9 (CDK9)
Synonyms:	CDK9 Antibody, C-2k Antibody, CDC2L4 Antibody, CDC2-related kinase Antibody, Cell division protein kinase 9 Antibody, Cyclin-dependent kinase 9 Antibody, CDC2-related protein kinase Antibody, PITALRE Antibody, TAK Antibody, CTK1 Antibody
Family / Subfamily:	Protein Kinase / CDC2/CDK
Host	CDK9 antibody was produced in Rabbit
Clonality:	Polyclonal
Immunogen Species:	CDK9 antibody was raised against Human
Antigen Type:	Synthetic peptide
Immunogen:	CDK9 antibody was raised against synthetic peptide from human CDK9.
Specificity:	Multiple synthetic peptides corresponding to C-terminal and N-terminal domains of the protein coded by the human gene cdk9 (PITALRE).
Reactivity:	Human, Mouse, Rat
Purification:	Delipidated and defibrinated
Presentation:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
Recommended Storage:	Store vial at -20 C or below prior to opening. Dilute only prior to immediate use. Aliquot contents and freeze at -20 C or below. Avoid cycles of freezing and thawing.
Usage Summary:	Immunohistochemistry: LS-B354 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B354 was determined to be 1:500.
Uses:	IHC - Paraffin (1:500), ICC, Western blot (1:500 - 1:3000), Immunoprecipitation, ELISA (1:10000 - 1:50000) (Optimal dilution to be determined by the researcher)
Size:	50 µl

Immunohistochemistry Image:



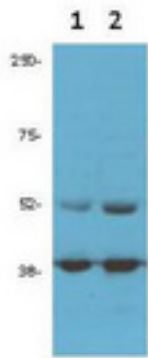
Anti-CDK9 antibody IHC of human skin. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B354 dilution 1:500.

Immunocytochemistry Image:



Anti-cdk9 (PITALRE) Antibody - Immunocytochemical Staining. Immunocytochemical staining of mouse tissue using anti-cdk9 (PITALRE) antiserum. The staining shows the location of mcdk9/PITALRE protein in developing mouse tissue. Arrows indicate areas of high expression. Panel A: Peroxidase-DAB immunostaining of mcdk9/PITALRE protein in the developing mouse brain in the differentiated region of the medulla oblongata just below the fourth ventricle. Similar staining is shown in Panel B in the dorsal root ganglia. Panel C: Fluorescein immunofluorescence of mcdk9/PITALRE in skeletal muscle. Similar staining is shown in Panel D in cardiac muscle. Sections from each specimen were cut at 5-7 micron, mounted on glass and dried overnight at 37°C. All sections then were deparaffinized in xylene, rehydrated through a graded alcohol series and washed in phosphate-buffered saline (PBS). PBS was used for all subsequent washes and for antiserum dilution. Tissue sections were quenched sequentially in 0.5% hydrogen peroxide and blocked with diluted 10% normal goat anti-rabbit serum. Slides were incubated at 20° C for 1 h with rabbit anti-cdk9 (1:500) dilution, washed, and then reacted with diluted goat anti-rabbit biotinylated antibody for 30 min. All the slides were then reacted with streptavidin-peroxidase conjugate for 30 min at 20° C. Diaminobenzidine was used as the final chromogen and hematoxylin was used as the nuclear counterstain.

Western Blot Image:



Anti-cdk9 (PITALRE) Antibody - Western blot. Anti-cdk9 antibody (LS-B354 1:1500) was used for Western blot of 1) PC3 and 2) DU145 prostate cancer cells (50 ug per lane). Bands at the expected MW of 55 and 42 Kda were detected. Personal communication Flavio Rizzolio, Temple University.

Requested From:

Japan

Laboratory Reagent For In Vitro Research Use Only

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