CDK9 antibody

Cat. No. GTX26544

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, IHC-P, IP, ELISA
Reactivity	Human, Mouse

Package
100 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
IHC-P	1:200-1:1000
IP	1:100
ELISA	1:10000-1:50000

Not tested in other applications.

Calculated MW	43 kDa. (Note)
Product Note	Antiserum will specifically react with a 43 kDa cdk9 (PITALRE) protein from human, rat and mouse tissue. No reaction was observed against other related cyclin dependent kinases.

Properties

Form	Liquid
Buffer	20mM Potassium Phosphate, 150mM NaCl
Preservative	0.01% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	75 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Synthetic peptides corresponding to C-terminal and N-terminal domains of the protein coded by the human gene cdk9 (PITALRE).
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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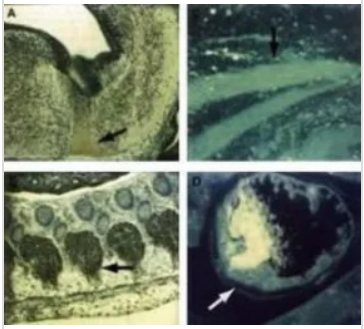
Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

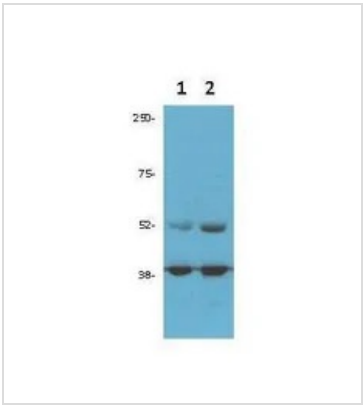
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX26544 IHC-P Image

ICC staining of mouse tissue using anti-cdk9(PITALRE). 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 mcdk9IPITALRE in skeletal muscle. Similar staining is shown in Panel D in cardiac muscle. Sections from each specimen were cut at 5-7 µm, mounted on glass and dried overnight at 37ºC. 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 20º C for 1 h with rabbit anti-cdk9 (GTX26544)(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 20º C. Diaminobenzidine was used as the final chromogen and hematoxylin was used as the nuclear counterstain. Negative controls for each tissue section were prepared by substituting the primary antiserum with pre-immune serum.



GTX26544 WB Image

Genetex anti cdk9 antibody (GTX26544) was used for Western blot analysis of 1) PC3 and 2) DU145 prostate cancer cells (50ug per lane). Bands at the expected MW of 55 and 42 Kda were detected.

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