

Product Datasheet

Cdk9 [p Thr29] Antibody - BSA Free NBP1-77756

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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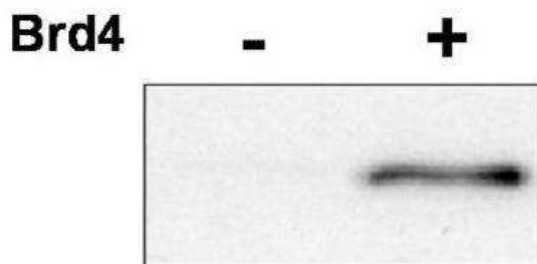
NBP1-77756

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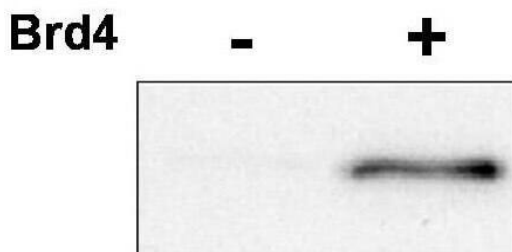
Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This product was affinity purified from monospecific antiserum by immunoaffinity chromatography using phospho-peptide coupled to agarose beads followed by solid phase adsorption against nonphospho-peptide</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	1025
Gene Symbol	CDK9
Species	Human, Mouse, Rat
Reactivity Notes	Cross-reactivity with CDK9 from other sources has not been determined
Specificity/Sensitivity	This antibody is specific for human CDK9 protein phosphorylated at T29. A BLAST analysis was used to suggest cross-reactivity with CDK9 from human, mouse and rat based on 100% homology with the immunizing sequence. Cross-reactivity with CDK9 from other sources has not been determined.
Immunogen	This affinity purified Cdk9 [p Thr29] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to residues surrounding T29 in the human Cdk9 protein. (Uniprot: P50750)
Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation
Recommended Dilutions	Western Blot 1:200-1:2000, ELISA 1:5000-1:24000, Immunoprecipitation 1:100
Application Notes	This affinity purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 42 kDa in size corresponding to phosphorylated CDK9 protein by western blotting in the appropriate cell lysate or extract. This phospho-specific polyclonal antibody reacts with human CDK9 pT29 and shows minimal reactivity by ELISA against the non-phosphorylated form of the immunizing peptide.

Images

Western Blot: Cdk9 [p Thr29] Antibody [NBP1-77756] - Shows detection of phosphorylated CDK9. 100 ng of purified P-TEFb, which contains CDK9 and its regulatory cyclin T1 subunit, was incubated with ATP in the presence or absence of Brd4, a protein known to induce CDK9 phosphorylation at T29. The primary antibody was used at a 1:1000 dilution.



Western blot using affinity purified anti-CDK9 pT29 antibody shows detection of phosphorylated CDK9. 100 ng of purified P-TEFb, which contains CDK9 and its regulatory cyclin T1 subunit, was incubated with ATP in the presence or absence of Brd4, a protein known to induce CDK9 phosphorylation at T29. The primary antibody was used at a 1:1000 dilution. Personal Communication, J. Brady, NCI, Bethesda, MD.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-86808PEP	Cdk9 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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