CDK7 Recombinant Monoclonal Antibody [BL-80-5D4]



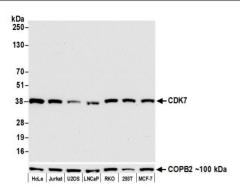
504]					
Rabbit Recombinant Monoclonal					
Purified			Protein ID	P50613	
Catalog No.	talog No. A700-006		GenelD	1022	
Lot No. A700-006-2		006-2			
APPLICATIONS		WB, IP, IHC, ICC, Flow Cyt			
SPECIES REACTIVITY		Human			
AMOUNT		100 µl (10 blots)			
CONCENTRATION		40 μg/ml			
STORAGE/SHELF LIFE		2 - 8°C / 1 year from date of receipt			
PHYSICAL STATE		Liquid			
BUFFER		Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide			
ISOTYPE		IgG			
CLONE #		BL-80-5D4			
ORIGIN		USA			
PRODUCTION PROCEDURES		Recombinant antibody was purified from cell culture supernatant.			
			ie 346) of h	A700-006 maps to a region between residues 300 and the C- uman Cyclin-Dependent Kinase 7 using the numbering given in eneID 1022).	
APPLICATIONS		Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.			
		Western Blot	1	:1000	
		Immunoprecipit	tation 2	0 µl/1 mg lysate	
		Immunohistoch	,	:100 – 1:500. Epitope retrieval with citrate buffer pH6.0 is ecommended for FFPE tissue sections.	
		Immunocytoche		:100 – 1:500. Epitope retrieval with citrate buffer pH6.0 is ecommended for FFPE cell sections.	
		Flow Cytometry		ixed in 4% formaldehyde and permeabilized with 90% methanol. 1 μl er 1 x 10^6 cells.	
IHC HUMAN CONTROLS		Breast Carcinoma, Ovarian Carcinoma			
ADDITIONAL INFO		https://www.fortislife.com/p/A700-006 Use the link above to view SDS, a current list of citations, and other product specific information.			

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

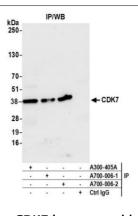
Date: August 5, 2022

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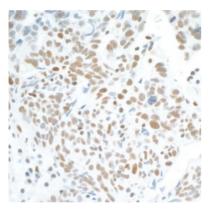
Michael Spencer, PhD



Detection of human CDK7 by western blot. *Samples:* Whole cell lysate (15 µg) from HeLa, Jurkat, U2OS, LNCaP, RKO, HEK293T, and MCF-7 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-CDK7 recombinant monoclonal antibody [BL-80-5D4] (A700-006 lot 2) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 10 seconds. Lower Panel: Rabbit anti-COPB2 (A304-523A).



Detection of human CDK7 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-CDK7 recombinant monoclonal antibody [BL-80-5D4] (A700-006 lot 2) used for IP at 20 μ I/mg lysate. CDK7 was also immunoprecipitated by a previous lot of this antibody (lot A700-006-1) and rabbit anti-CDK7 antibody A300-405A. For blotting immunoprecipitated CDK7, A700-006 was used at 1:1000. Chemiluminescence with an exposure time of 10 seconds.



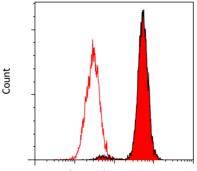
Detection of human CDK7 in FFPE ovarian carcinoma by IHC. *Antibody:* Rabbit anti-CDK7 recombinant monoclonal antibody [BL-80-5D4] (A700-006 lot 2). *Secondary:* HRPconjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.



Detection of human CDK7 in FFPE MCF7 cells by ICC. Antibody: Rabbit anti-CDK7 recombinant monoclonal antibody [BL-80-5D4] (A700-006 lot 2). Secondary: HRPconjugated goat anti-rabbit IgG (A120-501P). Substrate: DAB.

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CDK7 (shaded) and isotype control

Detection of human CDK7 by flow cytometry. Sample: MOLT4 cells were fixed in 4% formaldehyde and permeabilized with 90% methanol. Antibody: 1E6 cells were incubated with 1 ul of rabbit anti-CDK7 recombinant monoclonal antibody [BL-80-5D4] (A700-006 lot 1) (red shaded) or isotype control (unshaded). Secondary: DyLight® 650-conjugated goat anti-rabbit IgG