

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

Rabbit Recombinant Monoclonal

Purified Protein ID P50613
Catalog No. A700-006 GeneID 1022
Lot No. A700-006-2



APPLICATIONS WB, IP, IHC, ICC, F
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.

The epitope recognized by A700-006 maps to a region between residues 300 and the C-terminus (residue 346) of human Cyclin-Dependent Kinase 7 using the numbering given in Swiss-Prot entry P50613 (GeneID 1022).

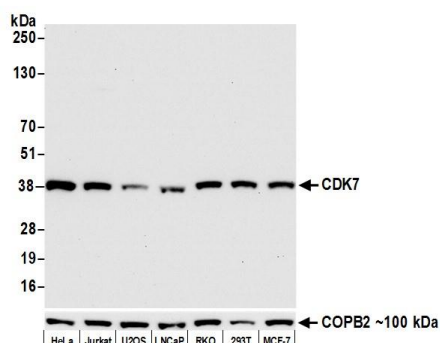
APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:1000
Immunoprecipitation 20 µl/1 mg lysate
Immunohistochemistry 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.
Immunocytochemistry 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.
Flow Cytometry 1 µl per 1 X 10⁶ cells

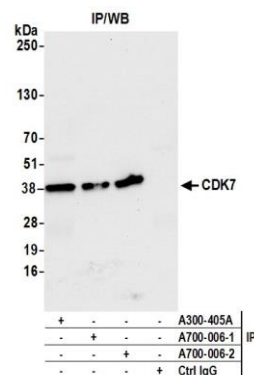
IHC HUMAN CONTROLS Breast Carcinoma, Ovarian Carcinoma

ADDITIONAL INFO <https://www.bethyl.com/product/A700-006>
Use the link above to view SDS, a current list of citations, and other product specific information.

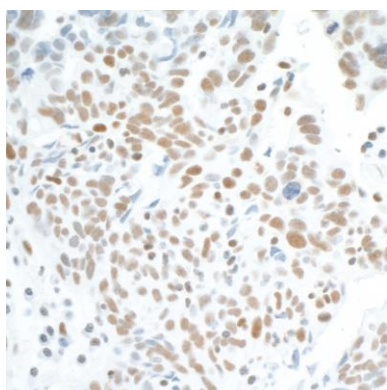
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: November 13, 2019



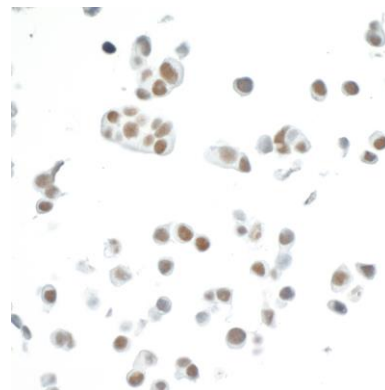
Detection of human CDK7 by western blot. Samples: Whole cell lysate (15 µg) from HeLa, Jurkat, U2OS, LNCaP, RKO, HEK293T, and MCF-7 cells prepared using NETN lysis buffer. **Antibody:** Rabbit anti-CDK7 recombinant monoclonal antibody [BL-80-5D4] (A700-006 lot 2) used at 1:1000. **Secondary:** HRP-conjugated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



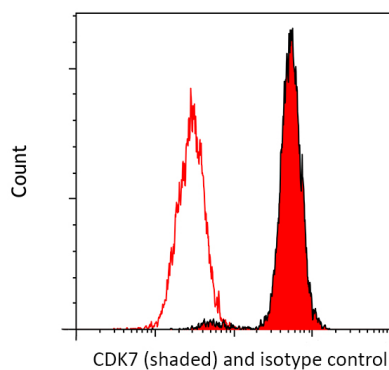
Detection of human CDK7 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. **Antibodies:** Rabbit anti-CDK7 recombinant monoclonal antibody [BL-80-5D4] (A700-006 lot 2) used for IP at 20 µl/mg 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:** HRP-conjugated 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:** HRP-conjugated goat anti-rabbit IgG (A120-501P). **Substrate:** DAB.



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 (A120-201D5).