

# CDK7 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 346 of CDK7 (Uniprot ID#P50613)
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol
Contains	0.01% thimerosal
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2552143

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1000	-
Immunoprecipitation (IP)	1:100-1:500	-
Western Blot (WB)	1:500-1:3000	-

## Product Specific Information

Recommended positive controls: 293T, A431, A375, Neuro2A, GL261, C8D30, NIH-3T3, BCL-1, Raw264.7, C2C12.

Predicted reactivity: Mouse (95%), Zebrafish (85%), Xenopus laevis (86%), Pig (97%), Rhesus Monkey (99%), Bovine (96%).

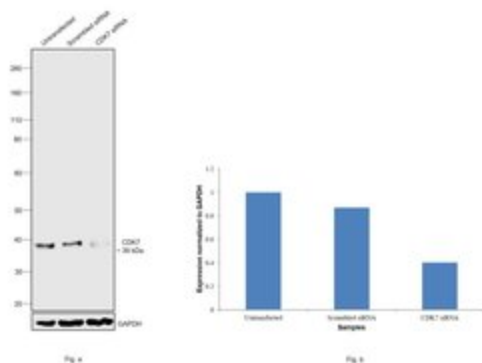
IHC notes, Requires antigen retrieval using heat mediated 10mM Citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0)

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

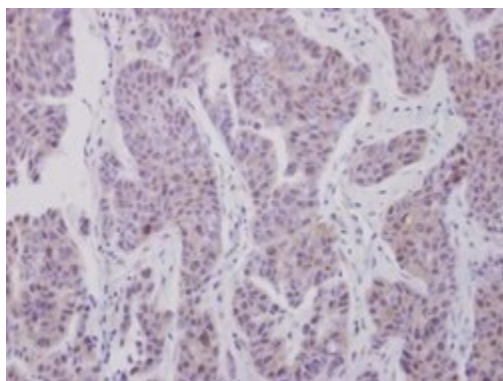
## Advanced Verification Data

### CDK7 Antibody (PA5-34791)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-431 cells were transfected with CDK7 siRNA and decrease in signal intensity was observed in western blot application using CDK7 Polyclonal Antibody (Product # PA5-34791).. Knockdown validation info.



## Product Images For CDK7 Polyclonal Antibody

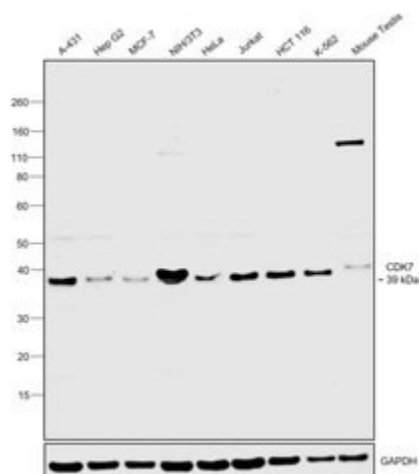


### CDK7 Antibody (PA5-34791) in IHC (P)

Immunohistochemical analysis of CDK7 in paraffin-embedded breast carcinoma using a CDK7 polyclonal antibody (Product # PA5-34791) at a dilution of 1:250.

### CDK7 Antibody (PA5-34791) in WB

Western blot was performed using Anti-CDK7 Polyclonal Antibody (Product # PA5-34791) and a 39 kDa band corresponding to CDK7 was observed across cell lines and tissue extract tested. Whole cell extracts (30 µg lysate) of A-431 (Lane 1), Hep G2 (Lane 2), MCF-7 (Lane 3), NIH/3T3 (Lane 4), HeLa (Lane 5), Jurkat (Lane 6), HCT116 (Lane 7), K-562 (Lane 8) and tissue extracts of Mouse Testis (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:2000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



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