

Anti-CDK2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

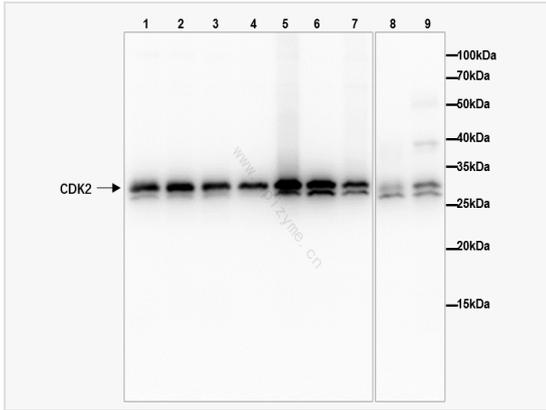
Catalog # R011804

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	79L15M51
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Cdk2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CDK2 antibody [79L15M51] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CDK2, CDKN2, Cyclin-dependent kinase 2, Cell division protein kinase 2, p33 protein kinase.
Calculated MW	Calculated MW: 33 kDa; Observed MW: 30 kDa
Uniprot ID	P24941
Gene ID	1017
Background	The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle.



Western Blot - Anti-CDK2 Rabbit mAb [79L15M51]

All lanes: R011804 at 1:1,000 dilution

Lane 1: 293T (human embryonic kidney cell) whole cell lysates

Lane 2: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 3: Jurkat (human T lymphocytic leukemia cell) whole cell lysates

Lane 4: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 5: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 6: T24 (human bladder cancer epithelial cell) whole cell lysates

Lane 7: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 8: Balb/c mouse kidney whole tissue lysates

Lane 9: Balb/c mouse small intestine whole tissue lysates

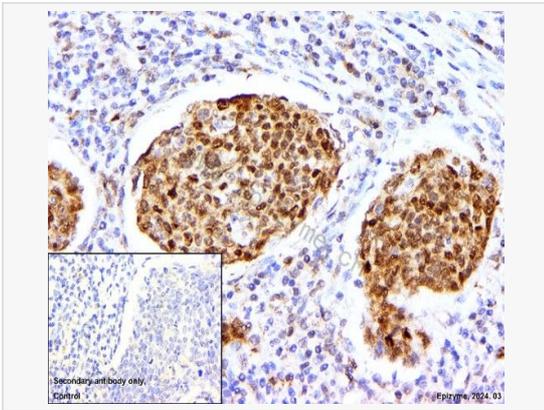
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 33 kDa

Observed band size: 30 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-CDK2 Rabbit mAb [79L15M51]

Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R011804 at 1:200 dilution

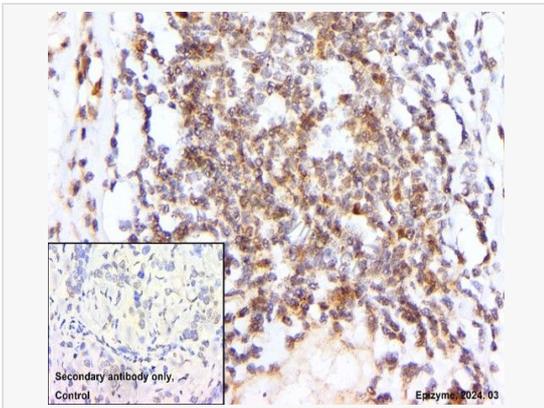
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-CDK2 Rabbit mAb [79L15M51]

Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R011804 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.