

# Anti-Cyclin D1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

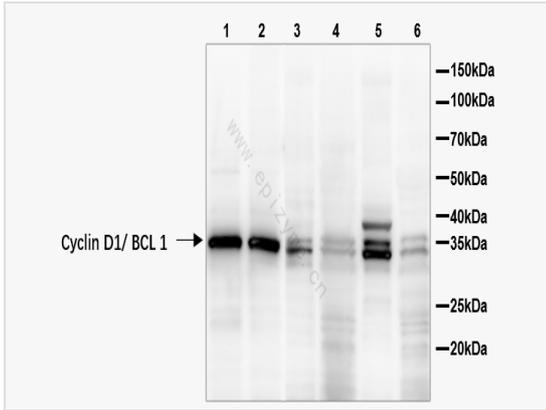
Catalog # P012243

## Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Cyclin D1
Format	Affinity purified polyclonal 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-Cyclin D1 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	CCND1, BCL1, D11S287E, PRAD1, U21B31, Cyclin D1.
Calculated MW	34 kDa
Uniprot ID	P24385
Gene ID	595
Background	Phosphorylation of Rb1 allows dissociation of the transcription factor E2F from the Rb/E2F complex and the subsequent transcription of E2F target genes which are responsible for the progression through the G1 phase. Hypophosphorylates Rb1 in early G1 phase. Cyclin D-CDK4 complexes are major integrators of various mitogenic and antimitogenic signals.



Western Blot - Anti-Cyclin D1 Rabbit pAb

All lanes: P012243 at 1:1,000 dilution

Lane 1: T24 (human bladder cancer epithelial cell) whole cell lysates

Lane 2: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 3: Rat liverwhole tissue lysates

Lane 4: Rat pancreas whole tissue lysates

Lane 5: Balb/c mouse liver whole tissue lysates

Lane 6: Balb/c mouse pancreas whole tissue lysates

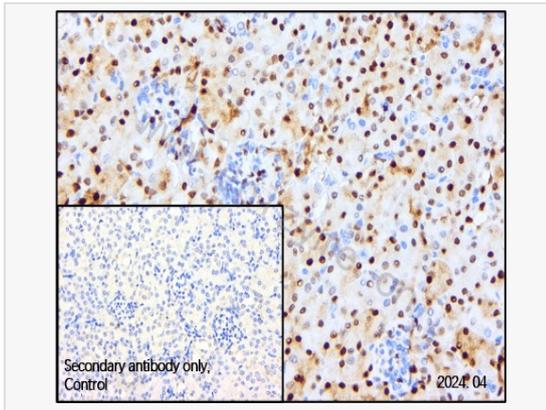
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 34 kDa

Observed band size: 34 kDa

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



Immunohistochemistry - Anti-Cyclin D1 Rabbit pAb

Sample: Paraformaldehyde-fixed, paraffin embedded mouse kidney tissue

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

Primary antibody: P012243 at 1:200 dilution

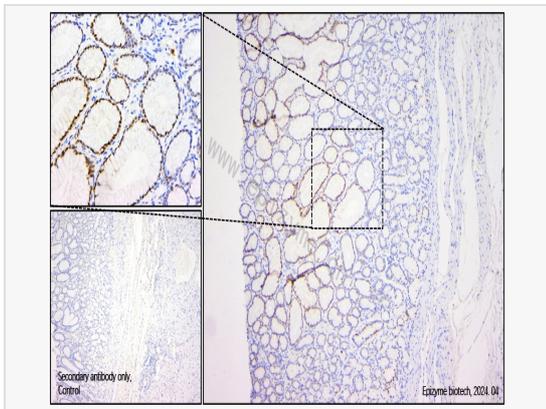
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-Cyclin D1 Rabbit pAb

Sample: Paraformaldehyde-fixed, paraffin embedded human gastric carcinoma tissue

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

Primary antibody: P012243 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.