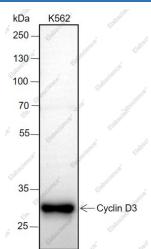
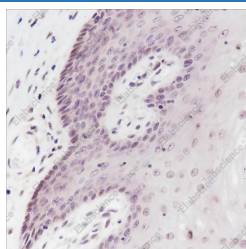
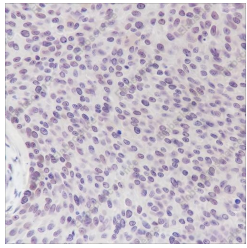
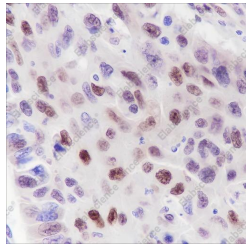


Recombinant Cyclin D3 Monoclonal Antibody

catalog number: **AN301504L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description	
Reactivity	Human
Immunogen	Recombinant human Cyclin D3 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C321127
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.
Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:100

Data	
 Western Blot with Cyclin D3 Monoclonal Antibody at dilution of 1:2000. Lane 1: K562 Observed-MW:33 kDa Calculated-MW:33 kDa	 Immunohistochemistry of paraffin-embedded Human cervix using Cyclin D3 Monoclonal Antibody at dilution of 1:50.
 Immunohistochemistry of paraffin-embedded Human cervical cancer using Cyclin D3 Monoclonal Antibody at dilution of 1:50.	 Immunohistochemistry of paraffin-embedded Human lung squamous carcinoma using Cyclin D3 Monoclonal Antibody at dilution of 1:100.

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.2

Regulatory component of the cyclin D3-CDK4 (DC) complex that phosphorylates and inhibits members of the retinoblastoma (RB) protein family including RB1 and regulates the cell-cycle during G1/S transition. 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. Also substrate for SMAD3, phosphorylating SMAD3 in a cell-cycle-dependent manner and repressing its transcriptional activity. Component of the ternary complex, cyclin D3/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex.