Recombinant Phospho-Cyclin D1 (Thr286) Monoclonal Antibody

catalog number: **AN301503L**

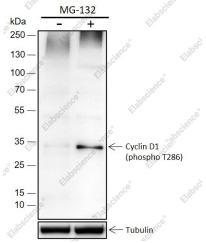
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human Phospho-Cyclin D1 (Thr286) fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C121126
Purification	Protein A affinity purification
Conjugation	Unconjugated
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
FCM	1:50

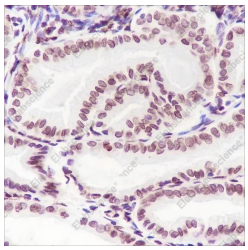
Data



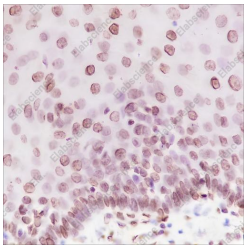
Western Blot with Phospho-Cyclin D1 (Thr286) Monoclonal Antibody at dilution of 1:2000. (-): HT-1080, (2): HT-1080 + MG-132(10 μm, 4hr)

Observed-MW:34 kDa

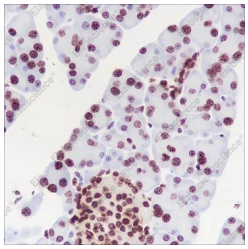
Calculated-MW:34 kDa



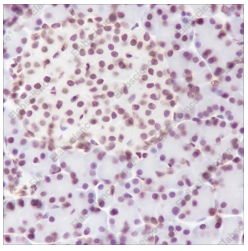
Immunohistochemistry of paraffin-embedded Human endometrial cancer using Phospho-Cyclin D1 (Thr286) Monoclonal Antibody at dilution of 1:100.

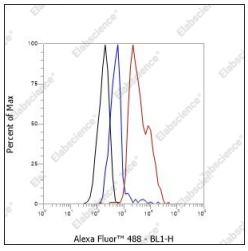


Immunohistochemistry of paraffin-embedded Human esophagus using Phospho-Cyclin D1 (Thr286) Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Mouse pancreas using Phospho-Cyclin D1 (Thr286) Monoclonal Antibody at dilution of 1:100.





Immunohistochemistry of paraffin-embedded Rat pancreas using Phospho-Cyclin D1 (Thr286) Monoclonal Antibody at dilution of 1:100.

Flow cytometric analysis of human Phospho-Cyclin D1 (Thr286) expression on MCF-7 cells. Cells were stained with purified anti-Human Phospho-Cyclin D1 (Thr286), then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

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

Background

Regulatory component of the cyclin D1-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. Cyclin D-CDK4 complexes are major integrators of various mitogenenic 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 D1/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex. Exhibits transcriptional corepressor activity with INSM1 on the NEUROD1 and INS promoters in a cell cycle-independent manner.

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