Cyclin E1(Phospho-T77) Rabbit mAb

Catalog No: #13405

Package Size: #13405-1 50ul #13405-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Cyclin E1(Phospho-T77) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SD2025
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Thr77 of human Cyclin E1.
Conjugates	Unconjugated
Other Names	CCNE antibody Ccne1 antibody CCNE1_HUMAN antibody cyclin E variant ex5del antibody cyclin E variant ex7del antibody Cyclin E1 antibody Cyclin Es antibody Cyclin Et antibody CyclinE antibody G1/S specific cyclin E antibody G1/S-specific cyclin-E1 antibody
Accession No.	Swiss-Prot#:P24864
Calculated MW	Predicted band size: 47 kDa
SDS-PAGE MW	Observed band size: 48 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

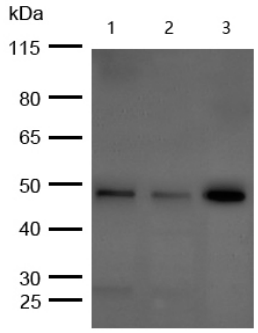
Application Details

WB: 1:500-1:2000

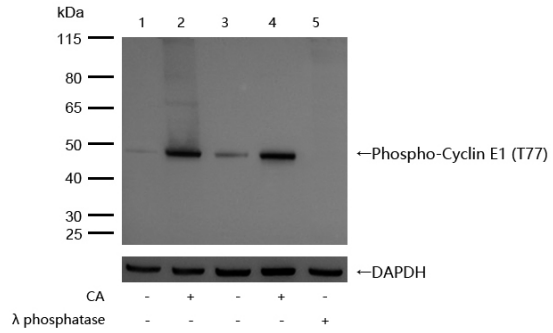
ICC/IF: 1:50-1:200

IHC: 1:50-1:200

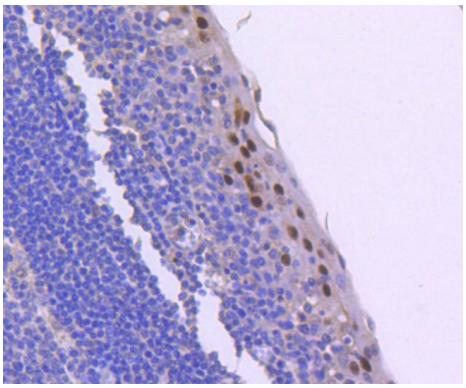
Images



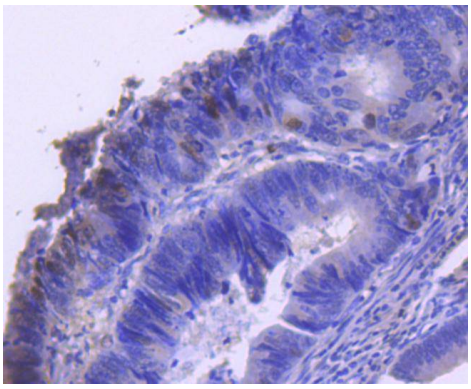
All lanes : Cyclin E1 (Phospho-T77) Rabbit mAb at 1/1k dilution
Lane 1 : K562 whole cell lysates
Lane 2 : HepG2 whole cell lysates
Lane 3 : 3T3 whole cell lysates
Lysates/proteins at 20 µg per lane.
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution
Predicted band size: 47 kDa
Observed band size: 48 kDa
Exposure time: 15 seconds



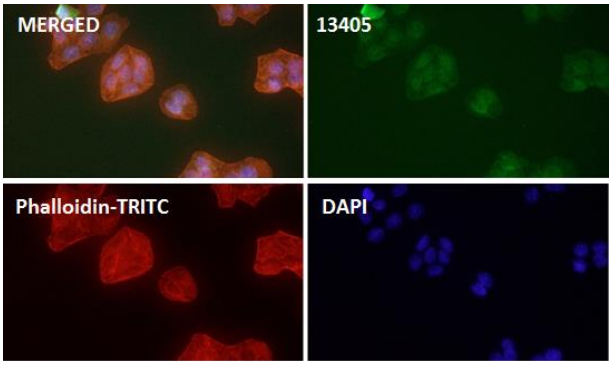
All lanes : Cyclin E1 (Phospho-T77) Rabbit mAb at 1/1k dilution
Lane 1 : K562 whole cell lysates
Lane 2 : K562 treated with 100nM Calyculin A for 30min whole cell lysates
Lane 3 : 293T whole cell lysates
Lane 4 : 293T treated with 100nM Calyculin A for 30min whole cell lysates
Lane 5 : 293T treated with Lambda Protein Phosphatase for 30min whole cell lysates
Lysates/proteins at 20 µg per lane.
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution
Predicted band size: 47 kDa
Observed band size: 48 kDa
Exposure time: 8 seconds



Formalin-fixed, paraffin-embedded human tonsil tissue stained for Cyclin E1 (Phospho-T77) using 13405 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded human colon cancer tissue stained for Cyclin E1 (Phospho-T77) using 13405 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Cyclin E1 (Phospho-T77) antibody (13405)
ICC/IF staining of Cyclin E1(Phospho-T77) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.
Samples were incubated with 13405 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.
The cells were incubated 30 minutes at room temperature with phalloidin tritc .
Nuclei were counterstained with DAPI.

Background

Cyclins were first identified in invertebrates as proteins that oscillate dramatically through the cell cycle. These proteins have been well conserved through evolution and play a critical role in regulation of cell division. cyclin E, along with the three cyclin D proteins and cyclin C, has been shown to represent a putative G1 cyclin on the basis of its cyclic pattern of mRNA expression, with maximal levels being detected near the G1/S boundary. cyclin E has been found to be associated with the transcription factor E2F in a temporally regulated manner. The cyclin E/E2F complex is detected

primarily during the G1 phase of the cell cycle and decreases as cells enter S phase. E2F is known to be a critical transcription factor for expression of several S phase specific proteins.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.