Cyclin C (Phospho-Ser275) Antibody

Catalog No: #11797

Package Size: #11797-1 50ul #11797-2 100ul

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

Description

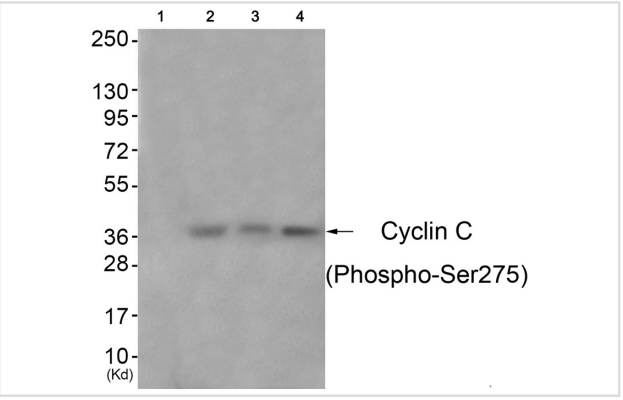
Product Name	Cyclin C (Phospho-Ser275) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of Cyclin C only when phosphorylated at serine 275.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 275(N-G-S(p)-A-N) derived from Human Cyclin C.
Target Name	Cyclin C
Modification	Phospho
Other Names	CG1C; cyclin C; SRB11;
Accession No.	Swiss-Prot#: P24863; NCBI Gene#: 892; NCBI Protein#: NP_005181.2.
Uniprot	P24863
GeneID	892;
SDS-PAGE MW	37kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

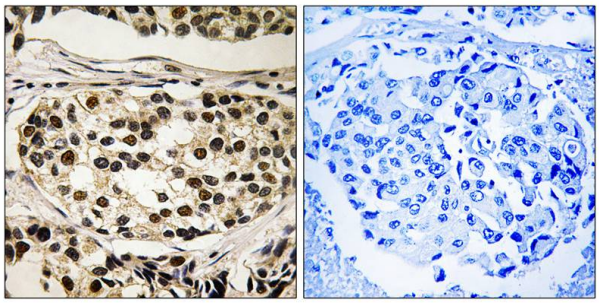
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 3T3 cells (Lane 2), A549 cells (Lane 3) and Hela cells (Lane 4), using Cyclin C (Phospho-Ser275) Antibody #11797. The lane on the left is treated with antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Cyclin C (Phospho-Ser275) antibody #11797 (left)or the same antibody preincubated with blocking peptide (right).

Background

The protein encoded by this gene is a member of the cyclin family of proteins. The encoded protein interacts with cyclin-dependent kinase 8 and induces the phophorylation of the carboxy-terminal domain of the large subunit of RNA polymerase II. The level of mRNAs for this gene peaks in the G1 phase of the cell cycle. Two transcript variants encoding different isoforms have been found for this gene.

Lew D.J., Cell 66:1197-1206(1991).

Li H., Genomics 32:253-259(1996).

Mungall A.J., Nature 425:805-811(2003).

Note: This product is for in vitro research use only