Cyclin E1(phospho-Thr395) Antibody

Catalog No: #11541

Package Size: #11541-1 50ul #11541-2 100ul

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

Description

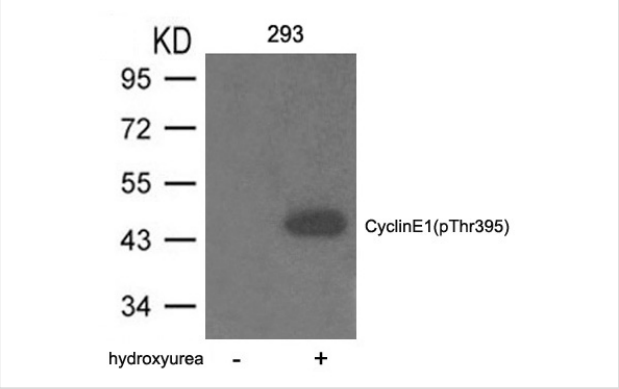
Product Name	Cyclin E1(phospho-Thr395) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of Cyclin E1 only when phosphorylated at threonine 395.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 395 (L-L-T(p)-P-P)derived from Human Cyclin E1
Target Name	Cyclin E1
Modification	Phospho
Other Names	CCNE; CCNE1;
Accession No.	Swiss-Prot: P24864NCBI Protein: NP_001229.1
Uniprot	P24864
GeneID	898;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL 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 for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 48kd

Western blotting: 1:1000

Images



Western blot analysis of extracts from 293 cells untreated or treated with hydroxyurea using Cyclin E1(phospho-Thr395) Antibody #11541.

Background

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK2, whose activity is required for cell cycle G1/S transition.

Won K.A., Reed S.I.EMBO J. 15:4182-4193(1996)

Welcker M., Singer J., Loeb K.R., Grim J., Bloecher A., Mol. Cell 12:381-392(2003)

Note: This product is for in vitro research use only