Anti-Phospho-Cyclin E1 (T77) antibody

Description	Rabbit polyclonal to Phospho-Cyclin E1 (T77).

Model	STJ91326
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human Cyclin E1 around the phosphorylation site of T77.
Immunogen Region	20-100 aa
Gene ID	898
Gene Symbol	CCNE1
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
Specificity	Phospho-Cyclin E1 (T77) Polyclonal Antibody detects endogenous levels of Cyclin E1 protein only when phosphorylated at T77.
Tissue Specificity	Highly expressed in testis and placenta. Low levels in bronchial epithelial cells.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	G1/S-specific cyclin-E1
Molecular Weight	47 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1589OMIM:123837
Alternative Names	G1/S-specific cyclin-E1
Function	Essential for the control of the cell cycle at the G1/S (start) transition.
Cellular Localization	Nucleus
Post-translational Modifications	Phosphorylation of both Thr-395 by GSK3 and Ser-399 by CDK2 creates a high affinity degron recognized by FBXW7, and accelerates degradation via the ubiquitin proteasome pathway. Phosphorylation at Thr-77 creates a low affinity degron also recognized by FBXW7. Ubiquitinated by UHRF2; appears to occur independently of phosphorylation.