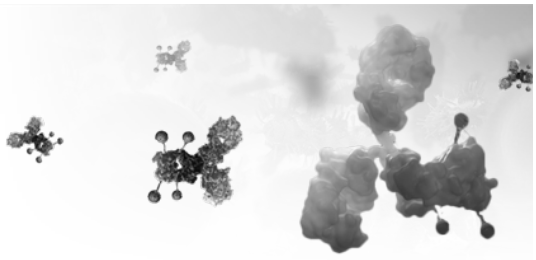

Anti-CCNE1 polyclonal antibody (DPAB2668RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit polyclonal to human Cyclin E1.
Antigen Description	Cyclins play a key role in the orderly progression of the cell division cycle through their timed expression and their ability to bind, activate and enhance substrate affinity of their associated cyclin-dependent protein kinases (CDKs). E-type cyclins (cyclin E1 and cyclin E2) are expressed during the late G1 phase of the cell cycle until the end of the S-phase. Cyclin E binds and activates the kinase Cdk2 and by phosphorylating its substrates, the cyclic/Cdk2 complexes initiate a cascade of events that leads to the expression of S-phase specific genes. Besides this specific function as a regulator of S-phase-entry, cyclin E plays a direct role in the initiation of DNA replication, the control of genomic stability, and the centrosome cycle.
Immunogen	Recombinant human protein purified from E.coli (His-Cyclin E1)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB, IHC-P
Cellular Localization	Nucleus
Positive Control	HepG2 cells
Format	HEPES with 0.15M NaCl, 0.01% BSA, 0.03% sodium azide, and 50% glycerol.
Size	100 µl

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Preservative	0.03% Sodium Azide
Storage	Store for 1 year at -20 °C from date of shipment.

GENE INFORMATION

Gene Name	CCNE1 cyclin E1 [Homo sapiens]
Synonyms	CCNE1; cyclin E1; CCNE; G1/S-specific cyclin-E1; cyclin Es; cyclin Et
Entrez Gene ID	898
Protein Refseq	NP_001229
UniProt ID	P24864
Chromosome Location	19q12
Pathway	Androgen Receptor Signaling Pathway; B Cell Receptor Signaling Pathway; BARD1 signaling events; Cell Cycle Checkpoints; Cell Cycle, Mitotic; Cell cycle; Cyclin A:Cdk2-associated events at S phase entry; Cyclin E associated events during G1/S transition; E2F mediated regulation of DNA replication; E2F transcription factor network; G0 and Early G1; G1 to S cell cycle control; G1/S DNA Damage Checkpoints; G1/S DNA Damage Checkpoints; G1/S Transition; G1/S-Specific Transcription; Id Signaling Pathwa
Function	androgen receptor binding; cyclin-dependent protein kinase regulator activity; kinase activity; protein binding; protein kinase binding; transcription coactivator activity

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