Recombinant DGRmAb®

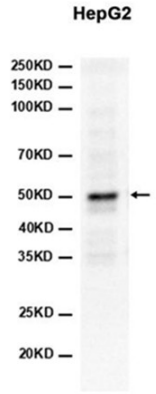
Cyclin E1 (DGR12779) Rabbit mAb (PBS Only)

db15721-PBS **Package : 10μg 100μg**

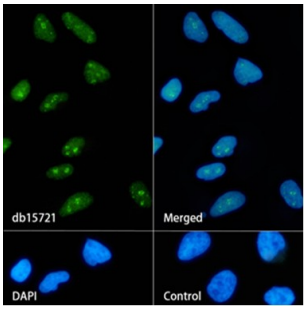
Product Name : Cyclin E1 (DGR12779) Rabbit mAb (PBS Only)
Cat.No.: db15721-PBS
Synonyms : CCNE; pCCNE1
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

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. This protein accumulates at the G1-S phase boundary and is degraded as cells progress through S phase. Overexpression of this gene has been observed in many tumors, which results in chromosome instability, and thus may contribute to tumorigenesis. This protein was found to associate with, and be involved in, the phosphorylation of NPAT protein (nuclear protein mapped to the ATM locus), which participates in cell-cycle regulated histone gene expression and plays a critical role in promoting cell-cycle progression in the absence of pRB. [provided by RefSeq, Apr 2016]
Immunogen	A synthetic peptide of human Cyclin E1
Gene ID	898
Swiss Prot	P24864
Synonyms	CCNE; pCCNE1
Reactivity	Human
Application	WB, IHC-P, ICC/IF, FC, IP
Calculated MW	47 kDa
Observed MW	47 kDa
Host species	Rabbit
Clonality	Monoclonal

Clonality No.	DGR12779
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HepG2 cells using db15721 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Cyclin E1 with db15721.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db15721 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.