Cyclin E2 (phospho Thr392) rabbit pAb

Cat#: orb770839 (Manual)

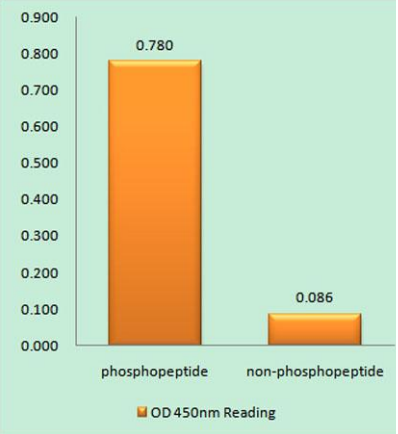
For research use only. Not intended for diagnostic use.

Product Name	Cyclin E2 (phospho Thr392) rabbit pAb
Host species	Rabbit
Applications	IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Cyclin E2 around the phosphorylation site of Thr392. AA range:355-404
Specificity	Phospho-Cyclin E2 (T392) Polyclonal Antibody detects endogenous levels of Cyclin E2 protein only when phosphorylated at T392.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	G1/S-specific cyclin-E2
Gene Name	CCNE2
Cellular localization	Nucleus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Concentration	1 mg/ml
Observed band	
Human Gene ID	9134
Human Swiss-Prot Number	O96020
Alternative Names	CCNE2; G1/S-specific cyclin-E2

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. This cyclin has been shown to specifically interact with CIP/KIP family of CDK inhibitors, and plays a role in cell cycle G1/S transition. The expression of this gene peaks at the G1-S phase and exhibits a pattern of tissue specificity distinct from that of cyclin E1. A significantly increased expression level of this gene was observed in tumor-derived cells. [provided by RefSeq, Jul 2008],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Cyclin E2 (Phospho-Thr392) Antibody

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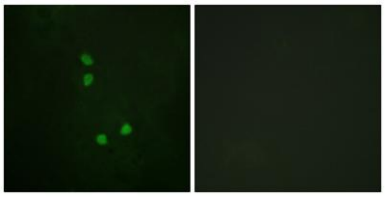
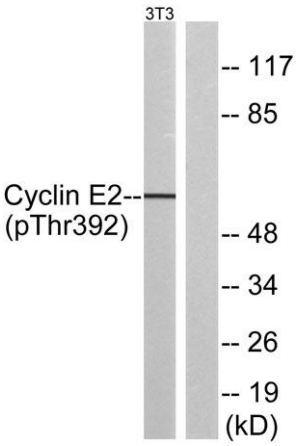


Immunofluorescence analysis of NIH/3T3 cells, using Cyclin E2 (Phospho-Thr392) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of Cyclin E2 (Phospho-Thr392) Antibody. The lane on the right is blocked with the Cyclin E2 (Phospho-Thr392) peptide.

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