

Anti-Cyclin E (RABBIT) Antibody - 100-401-156

Code: 100-401-156

Size: 100 µL

Product Description: Anti-Cyclin E (RABBIT) Antibody - 100-401-156

Concentration: 70 mg/mL by Refractometry

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	CCNE1
Species Reactivity	Human
Buffer	None
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	rabbit anti-cyclin E antibody, CCNE antibody, CCNE1 antibody, Cyclin E1 antibody, Cyclin Es antibody, Cyclin Et antibody, CyclinE antibody, G1/S specific cyclin E antibody
Application Note	Anti-Cyclin-E antibody is suitable for the detection by immunoblot, ELISA and IP. Researchers should determine optimal titers for applications that are not stated below. Antiserum will specifically react with a 45 kDa Cyclin E protein from human tissue.
Background	Anti-Cyclin-E antibody detects cyclin-E. Cyclin E is a member of the cyclin family. Cyclin E binds to the G1 phase Cdk2, which is required for the transition from G1 to S phase of the cell cycle that determines cell division. The Cyclin E/CDK2 complex phosphorylates p27Kip1, tagging it for degradation, thus promoting expression of Cyclin A, allowing progression to S phase. Anti-cyclin-e Antibody is ideal for investigators involved in Cell Signaling, cell biology and Signal Transduction research.
Purity And Specificity	Anti-Cyclin-E was prepared from monospecific antiserum by delipidation and defibrination. No reaction was observed against other related cyclins. Cross reactivity with Cyclin E from other species may also occur.
Assay Dilutions	User Optimized
ELISA	1:100,000
Western Blot	1:2,000 - 1:10,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Anti-Cyclin-E Antibody was produced by repeated immunizations with a KLH conjugated peptide corresponding to a region near the carboxy terminus of human Cyclin E.
Specific Reference	<p>Koff, A., Cross, F., Fisher, A., Schumaker, J., Leguellec, K., Philippe, M. and Roberts, J.M. (1991) Human cyclin E, a new cyclin that interacts with two members of the CDC2 gene family. <i>Cell</i> 66; 1217-1228.</p> <p>Koff, A., Giordano, A., Desai, D., Yamashita, K., Harper, J.W., Elledge, S., Nishimoto, T., Morgan, D.O., Franza, B.R. and Roberts, M. (1992) Formation and activation of a cyclin E-cdk2 complex during the G1 phase of the human cell cycle. <i>Science</i> 257; 1689-1694.</p> <p>Claudio, P.P., De Luca, A., Howard, C.M., Baldi, A., Firpo, E.J., Koff, A., Paggi, M.G. and Giordano, A. (1996) Functional analysis of pRb/p130 interaction with cyclins. <i>Cancer Res.</i> 56; 2003-2008.</p>

Related Products

100-401-152	Anti-Cyclin B1 (RABBIT) Antibody - 100-401-152
200-301-461	Anti-MAD2L1 (MOUSE) Monoclonal Antibody - 200-301-461

611-1302 Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated
- 611-1302

K911 CYCLIN ANTIBODY SAMPLER KIT - K911

Related Links

NCBI - AAA83269.1

<http://www.ncbi.nlm.nih.gov/protein/AAA83269.1>

UniProtKB - <http://www.uniprot.org/uniprot/P24864>

GeneID - 898

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