

Product Datasheet

Phospho-Cyclin E1 (T77) Antibody



Catalog No: CY5816

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF

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Information

UniProt ID: P24864

All Names: CCNE; Ccne1; cyclin E variant ex5del; cyclin E variant ex7del; Cyclin E1; Cyclin Es; Cyclin Et; G1/S specific cyclin E; G1/S-specific cyclin-E1;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 48 kDa

Application

WB 1:1000~1:2000

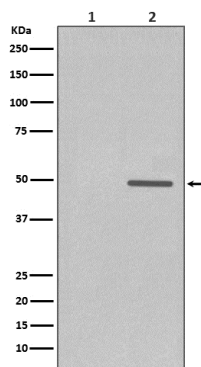
IHC 1:50~1:200

ICC/IF 1:50~1:200

Background

Cyclin E1 and cyclin E2 can associate with and activate CDK2. Upon DNA damage, upregulation/activation of the CDK inhibitors p21 Waf1/Cip1 and p27 Kip1 prevent cyclin E/CDK2 activation, resulting in G1/S arrest.

Cyclin E1 is phosphorylated at multiple sites in vivo including Thr62, Ser88, Ser72, Thr380 and Ser384, and is controlled by at least two kinases, CDK2 and GSK-3.



Western blot analysis of Phospho-Cyclin E1 (T77) expression in (1) JAR cell treated with Lambda Phosphatase lysate; (2) JAR cell lysate.

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