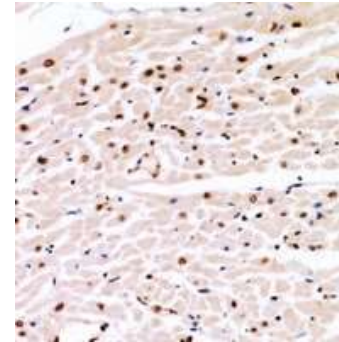


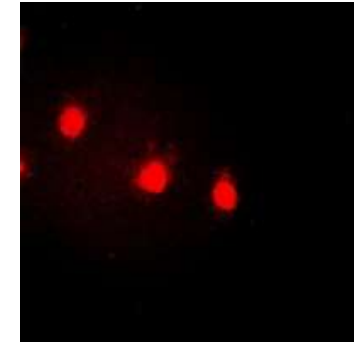
Phospho-Cyclin E1 (Thr77) Antibody

CATALOG NO:	A1154-100
ALTERNATIVE NAMES:	CCNE; G1/S-specific cyclin-E1
AMOUNT:	100 µl
IMMUNOGEN:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cyclin E1
HOST/ISOTYPE:	Rabbit IgG
CLONALITY:	Polyclonal
SPECIFICITY:	Recognizes endogenous levels of Cyclin E1 (pT77) protein.
SPECIES REACTIVITY:	Human, Monkey
PURIFICATION:	The antibody was purified by affinity chromatography
FORM:	Liquid
FORMULATION:	Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
STORAGE CONDITIONS:	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	Cyclin E1 is a regulatory subunit of the CDK2 kinase. It is central for the regulation of the G1/S transition and its abundance is tightly regulated throughout the cell cycle via ubiquitination. Cyclin E has been the subject of intense study in relation to tumorigenesis and cancer management and prognosis. Multiple isoforms of Cyclin E are only expressed in tumors but not in normal tissue, suggesting a post transcriptional regulation of Cyclin E. In vitro analyses indicated that these truncated variant isoforms of Cyclin E are able to phosphorylate histone H1. Alterations in the Cyclin E protein have been implicated as indicators of worse prognosis in various cancers.
APPLICATION:	WB; 1:500 – 1:2000, IHC; 1:50 – 1:200, IF/IC; 1:50 – 1:100

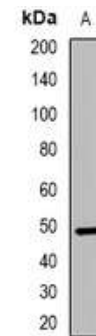
Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Immunohistochemical analysis of Cyclin E1 (pT77) staining in human heart formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of Cyclin E1 (pT77) staining in HEK293T cells



Western blot analysis of Cyclin E1 (pT77) expression in HEK293 LPS-treated (A) whole cell lysates

RELATED PRODUCTS:

- Cyclin F Antibody (Cat. No. 6933-50)
- Cyclin G1 Antibody (Cat. No. 6934-50)
- Cyclin E1 Antibody (Cat. No. 6932-50)

FOR RESEARCH USE ONLY! Not to be used on humans.