

ARG52927
anti-Cyclin E1 antibodyPackage: 500 µl, 250 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Cyclin E1
Tested Reactivity	Hu
Predict Reactivity	Pig
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Cyclin E1
Species	Human
Immunogen	Synthetic peptide from C-terminus of human cyclin E.
Conjugation	Un-conjugated
Alternate Names	pCCNE1; CCNE; G1/S-specific cyclin-E1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. Incubation Time: 10 min at RT. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Breast Carcinoma, Placenta	

Properties

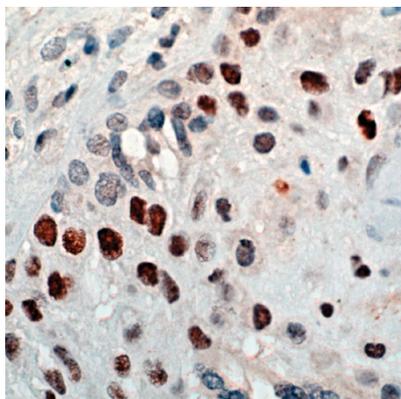
Form	Liquid
Purification	Immunogen affinity purified
Buffer	PBS (pH 7.6), 1% BSA and < 0.1% Sodium azide
Preservative	< 0.1% Sodium azide
Stabilizer	1% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 898 Human Swiss-port # P24864 Human
Background	Cyclin E is a regulatory subunit of cdk-2 and controls G1/S transition during the mammalian cell cycle. Multiple isoforms of cyclin E are expressed only in tumors but not in the normal tissues, suggesting a post-transcriptional regulation of cyclin E. In vitro analysis indicated that these truncated variant isoforms of cyclin E are able to phosphorylate histone H1. alterations in cyclin E protein have been implicated as indicators of worse prognosis in various cancers.
Highlight	Related Antibody Duos and Panels: ARG30139 Cell Cycle Marker Antibody Panel (Cyclin B1, Cyclin E) Related products: Cyclin E1 antibodies; Cyclin E1 Duos / Panels; Anti-Rabbit IgG secondary antibodies;
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Gene Regulation antibody; Cell Cycle Study antibody
Calculated Mw	47 kDa
PTM	Phosphorylation of both Thr-395 by GSK3 and Ser-399 by CDK2 creates a high affinity degron recognized by FBXW7, and accelerates degradation via the ubiquitin proteasome pathway. Phosphorylation at Thr-77 creates a low affinity degron also recognized by FBXW7. Ubiquitinated by UHRF2; appears to occur independently of phosphorylation.
Cellular Localization	Nucleus

Images



ARG52927 anti-Cyclin E1 antibody IHC-P image

Immunohistochemistry: Human breast carcinoma stained with ARG52927 anti-Cyclin E1 antibody.