Datasheet for ABIN6138092

anti-Cyclin E2 antibody (AA 255-404)

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Overview

Quantity:	100 µL
Target:	Cyclin E2 (CCNE2)
Binding Specificity:	AA 255-404
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin E2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 255-404 of human Cyclin E2 (NP_477097.1).
Sequence:	ALKDAPKVLL PQYSQETFIQ IAQLLDLCIL AIDSLEFQYR ILTAAALCHF TSIEVVKKAS GLEWDSISEC VDWMVPFVNV VKSTSPVKLK TFKKIPMEDR HNIQTHTNYL AMLEEVNYIN TFRKGGQLSP VCNGGIMTPP KSTEKPPGKH
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Cyclin E2 (CCNE2)
Alternative Name:	CCNE2 (CCNE2 Products)
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.,CCNE2,CYCE2,cyclin E2,Epigenetics & Nuclear Signaling,Cancer,Cell Biology & Developmental Biology,Cell Cycle,Centrosome,Cyclins,G1/S Checkpoint,Hedgehog Signaling Pathway,CCNE2
Molecular Weight:	41 kDa/46 kDa
Gene ID:	9134
UniProt:	O96020
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in:	Wan, Sun, Wu, Yu, Wang, Lin, Li, Wu, Sun: "Chi3l3: a potential key orchestrator of eosinophil recruitment in meningitis induced by Angiostrongylus cantonensis." in: **Journal of neuroinflammation**, Vol. 15, Issue 1, pp. 31, (2018) (PubMed). Jiang, He, Zhu, Liang, Wang, Lu, Ren, Yi, Xiao, Wang: "Endoplasmic reticulum stress-dependent ROS production mediates synovial myofibroblastic differentiation in the immobilization-induced rat knee joint contracture model." in: **Experimental cell research**, Vol. 369, Issue 2, pp. 325-334, (2018) (PubMed).