



CCNG1 Polyclonal Antibody

Catalog No	E91533	Lot Number	P00009
Applications	WB IHC	Quantity	100ul, 100ug/ul
Cross-Reactivity	H M R	Calculated MW	34kDa

Immunogen Information

Immunogen	Fusion protein of human CCNG1
Gene ID	900
Swiss Prot	P51959
Synonyms	cyclin G1; CCNG1; CCNG;

Product information

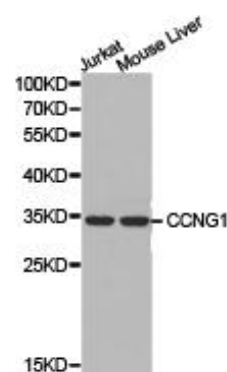
Species	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C or -80°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

Cyclins are the regulatory subunits of Cdc2 p34 and related cyclin-dependent kinases (Cdks) which play critical roles in the control of cell cycle progression. The catalytic subunit for cyclin A and B is Cdc2 p34 kinase. The Cdc2-cyclin B complex controls the G2 to M transition whereas Cdc2-cyclin A regulates S phase progression. The G1 to S transition, however, appears to be controlled by the G1 cyclins. cyclin D1 accumulates during G1 and associates with Cdk2, Cdk4 and Cdk5. cyclin E and Cdk2 interact during the G1 to S transition. cyclin G contains a typical N terminal cyclin box and a carboxy-terminal domain sequence homologous to the tyrosine phosphorylation site of the epidermal growth factor receptor. cyclin G expression is induced within 3 hours after growth stimulation and remains elevated with no apparent cell cycle dependency. cyclin G2 shares 53% amino acid sequence identity with cyclin G1. Peak expression of cyclin G2 is seen in late S phase, as opposed to cyclin G1 expression, which is constitutive.

Recommended Dilutions

WB	1:500 - 1:1000
IHC	1:50- 1:100



Western blot analysis of extracts of Jurkat cell and mouse liver cell line, using CCNG1 antibody.