

(KO Validated) CCND3 Polyclonal Antibody

catalog number: E-AB-63262

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

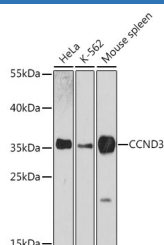
Reactivity	Human;Mouse
Immunogen	Recombinant fusion protein of human CCND3 (NP_001751.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

Recommended Dilution

WB 1:500-1:2000

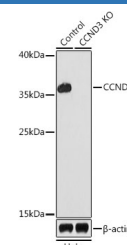
Data



Western blot analysis of extracts of various cell lines using CCND3 Polyclonal Antibody at dilution of 1:3000.

Observed-MV:36 kDa

Calculated-MV:9 kDa/22 kDa/24 kDa/32 kDa



Western blot analysis of extracts from normal (control) and CCND3 knockout (KO) HeLa cells using CCND3 Polyclonal Antibody at dilution of 1:1000.

Observed-MV:36 kDa

Calculated-MV:9 kDa/22 kDa/24 kDa/32 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

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 CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with and be involved in the phosphorylation of tumor suppressor protein Rb. The CDK4 activity associated with this cyclin was reported to be necessary for cell cycle progression through G2 phase into mitosis after UV radiation. Several transcript variants encoding different isoforms have been found for this gene.

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