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Datasheet for ABIN6941328

anti-G1/S-Specific B-Type Cyclin Cig2 (CIG2) antibody

Overview

Quantity:	100 µg
Target:	G1/S-Specific B-Type Cyclin Cig2 (CIG2)
Reactivity:	Schizosaccharomyces pombe
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Coating (Coat), ELISA, Western Blotting (WB)

Product Details

Immunogen:	Bacterial S. pombe Cig2 Purified protein.
Clone:	3A11-5
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	G1/S-Specific B-Type Cyclin Cig2 (CIG2)
Alternative Name:	Cig2 (CIG2 Products)
Background:	Cig2 is a cyclin that functions as the catalytic subunit of cyclin-dependent kinases (Cdks) in the fission yeast Schizosaccharomyces pombe. It is a B-type, S phase cyclin that is required for both the G1/S and G2/M cell cycle transitions and is expressed in a sharp spike that peaks during the G1/S period. Cig2 binds to Cdc2 (Cdk), and the resulting Cdc2/Cig2 complex controls

Target Details

the G1/S transition of the cell cycle. Disruption of Cig2 delays the onset of mitosis. The expression of the Cig2 gene is dependent on Mlu1-binding factor (MBF), and the protein is destroyed during anaphase by the APC/cyclosome (APC/C) and Skp1/Cullin-1/F-box (SCF), thereby ensuring the spike expression pattern of Cig2. SCF regulates Cig2 levels in a dual manner, transcriptionally and post-translationally, while APC/C only destroys the protein.

Molecular Weight: 50kDa

Application Details

Application Notes: Positive Control: Red blood cell lysate, Human colon and lung tissue.
Known Application: ELISA (For coating, order antibody without BSA), Western Blot (0.5-1.0 µg/mL) Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

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: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months