

FZR Antibody

Catalog_no :	AB3561
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN
Specificity :	This FZR antibody is generated from a mouse immunized with a recombinant protein between 1-496 amino acids from human FZR.
Dilution :	WB, 1:2000;
Other_name :	Fizzy-related protein homolog, Fzr, CDC20-like protein 1, Cdh1/Hct1 homolog, hCDH1, FZR1, CDH1, FYR, FZR, KIAA1242
Isotype :	IgG1,k
Background :	Key regulator of ligase activity of the anaphase promoting complex/cyclosome (APC/C), which confers substrate specificity upon the complex. Associates with the APC/C in late mitosis, in replacement of CDC20, and activates the APC/C during anaphase and telophase. The APC/C remains active in degrading substrates to ensure that positive regulators of the cell cycle do not accumulate prematurely. At the G1/S transition FZR1 is phosphorylated, leading to its dissociation from the APC/C. Following DNA damage, it is required for the G2 DNA damage checkpoint: its dephosphorylation and reassociation with the APC/C leads to the ubiquitination of PLK1, preventing entry into mitosis.
reference :	Kramer E.R., et al. <i>Curr. Biol.</i> 8:1207-1210(1998). Kotani S., et al. Submitted (APR-1998) to the EMBL/GenBank/DDBJ databases. Sudo T., et al. Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases. Zhou Y., et al. <i>Biochem. J.</i> 374:349-358(2003). Nagase T., et