

## FZR1 Antibody (N-term)

Catalog_no :	AB1869
Applications :	WB
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN:53-81
Specificity :	This FZR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 53-81 amino acids from the N-terminal region of human FZR1.
Dilution :	WB,1:1000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	Fizzy-related protein homolog, Fzr, CDC20-like protein 1, Cdh1/Hct1 homolog, hCDH1, FZR1, CDH1, FYR, FZR, KIAA1242
Isotype :	Rabbit Ig
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 :	Olson, J.E., et al. Breast Cancer Res. Treat. 125(1):221-228(2011) Colombo, S.L., et al. Proc. Natl. Acad. Sci. U.S.A. 107(44):18868-18873(2010) Naoe, H., et al. Mol. Cell. Biol. 30(16):3994-4005(2010) Sigl, R., et al. J. Cell. Sci. 122 (PT 22), 4208