

## FZR1 Antibody [clone 1621CT637.76.67] (F53804)

Catalog No.	Formulation	Size
F53804-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53804-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	1621CT637.76.67
Purity	Protein G affinity chromatography
UniProt	Q9UM11
Applications	Western Blot : 1:1000-2000
Limitations	This FZR1 antibody is available for research use only.



Western blot testing of human 1) 293T/17 and 2) HeLa cell lysate with FZR antibody at 1:2000. Predicted molecular weight: 55 kDa.

### Description

Fizzy related protein 1 is a 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.

## Application Notes

Titration of the FZR1 antibody may be required due to differences in protocols and substrate sensitivity.

## Immunogen

Human recombinant protein corresponding to amino acids 1-496 was used as the immunogen for this FZR1 antibody.

## Storage

Aliquot the FZR1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.