

## Product datasheet for **TA339172**

### Fzr1 Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | WB  |
| Recommended Dilution:   | WB  |
| Reactivity:             | Mouse   |
| Host:                   | Rabbit  |
| Isotype:                | IgG   |
| Clonality:              | Polyclonal  |
| Immunogen:              | The immunogen for anti-Fzr1 antibody: synthetic peptide corresponding to a region of Mouse. Synthetic peptide located within the following region:<br>RQIIQNENTVPCVSEMRRTLTPANSPVSSPSKHGDRFIPSRAGANWSVN |
| Formulation:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br><i>Note that this product is shipped as lyophilized powder to China customers.</i>                 |
| Concentration:          | lot specific  |
| Purification:           | Protein A purified  |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 55 kDa  |
| Gene Name:              | fizzy/cell division cycle 20 related 1 (Drosophila)   |
| Database Link:          | <a href="#">NP_062731</a><br><a href="#">Entrez Gene 56371 Mouse</a><br><a href="#">Q9R1K5</a>  |



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**Background:**

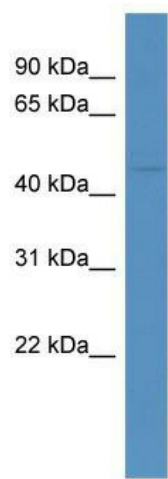
Fzr1 is the key regulator of ligase activity of the anaphase promoting complex/cyclosome (APC/C), which confers substrate specificity upon the complex. Fzr1 associates with the APC/C in late mitosis, in replacement of CDC20, and activates the APC/C during anaphase and telophase. The APC/C remains active 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.

**Synonyms:**

CDC20C; CDH1; FYR; FZR; FZR2; HCDH; HCDH1; KIAA1242

**Note:**

Immunogen Sequence Homology: Pig: 100%; Human: 100%; Dog: 93%; Rat: 93%; Horse: 93%; Mouse: 93%; Bovine: 93%; Guinea pig: 93%; Zebrafish: 92%

**Product images:**

WB Suggested Anti-Fzr1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: Mouse Heart