

## Product datasheet for **TA331824**

### DEC2 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-Decr2 Antibody: synthetic peptide corresponding to a region of Mouse. Synthetic peptide located within the following region:<br>PIPRLGKTEIAHSVLYLASPLASYVSGIVLVVDGGSWMTFPNGIKQLLE  |
| 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>   |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 31 kDa  |
| Gene Name:              | 2,4-dienoyl-CoA reductase 2, peroxisomal  |
| Database Link:          | <a href="#">NP_065715</a><br><a href="#">Entrez Gene 26378 Mouse</a><br><a href="#">Q9NUI1</a>  |
| Background:             | Decr2 is the auxiliary enzyme of beta-oxidation. Decr2 participates in the degradation of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in peroxisome. Decr2 catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA. Decr2 has activity towards short and medium chain 2,4-dienoyl-CoAs, but also towards 2,4,7,10,13,16,19-docosaheptaenoyl-CoA, suggesting that it does not constitute a rate limiting step in the peroxisomal degradation of docosahexaenoic acid. |
| Synonyms:               | PDCR; SDR17C1   |

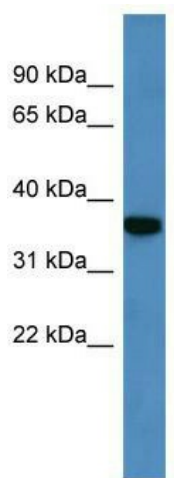


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**Note:** Immunogen sequence homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Guinea pig: 100%; Yeast: 83%; Dog: 79%

**Protein Families:** Druggable Genome

**Product images:**



WB Suggested Anti-Decr2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: Mouse Brain