

## Product datasheet for **TA358788**

### Plakophilin 4 (PKP4) Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | WB  |
| Reactivity:             | Human   |
| Host:                   | Rabbit  |
| Clonality:              | Polyclonal  |
| Specificity:            | <b>Expected reactivity:</b> Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat<br><b>Homology:</b> Cow: 100%; Dog: 93%; Guinea Pig: 86%; Horse: 93%; Human: 100%; Mouse: 86%; Pig: 100%; Rabbit: 93%; Rat: 86% |
| 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:           | Affinity Purified   |
| Conjugation:            | Unconjugated  |
| Storage:                | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.   |
| Stability:              | Shelf life: one year from despatch.   |
| Predicted Protein Size: | 127kDa  |
| Gene Name:              | plakophilin 4   |
| Database Link:          | <a href="#">NP_001005476</a><br><a href="#">Entrez Gene 8502 Human</a><br><a href="#">Q99569-2</a>  |



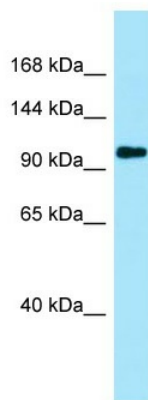
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**Background:**

Armadillo-like proteins are characterized by a series of armadillo repeats, first defined in the *Drosophila* 'armadillo' gene product, that are typically 42 to 45 amino acids in length. These proteins can be divided into subfamilies based on their number of repeats, their overall sequence similarity, and the dispersion of the repeats throughout their sequences. Members of the p120(ctn)/plakophilin subfamily of Armadillo-like proteins, including CTNND1, CTNND2, PKP1, PKP2, PKP4, and ARVCF. PKP4 may be a component of desmosomal plaque and other adhesion plaques and is thought to be involved in regulating junctional plaque organization and cadherin function. Multiple transcript variants have been found for this gene, but the full-length nature of only two of them have been described so far.

**Synonyms:**

FLJ31261; FLJ42243; p0071

**Product images:**

WB Suggested Anti-PKP4 Antibody

Titration: 1.0 ug/ml

Positive Control: HeLa Whole Cell PKP4 is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells