



## Rabbit Anti-PDZK3 antibody

SL9037R

|                               |   |
|-------------------------------|---|
| <b>Product Name:</b>          | PDZK3   |
| <b>Chinese Name:</b>          | 前列腺癌激活蛋白抗体  |
| <b>Alias:</b>                 | Activated in prostate cancer protein; AIPC; KIAA0300; Likely ortholog of rat plakophilin related armadillo repeat protein interacting PDZ protein antibody PAPAN; PDZ domain containing 2; PDZ domain containing 3; PDZ domain containing protein 2; PDZ domain containing protein 3; PDZD2; PDZK 2; PDZK2; PDZK-2; PDZK 3; PDZK3; PDZK-3; PIN1; Plakophilin related armadillo repeat protein interacting PDZ protein like; Rat plakophilin related armadillo repeat protein interacting PDZ protein like; PDZD2 HUMAN. |
| <b>Organism Species:</b>      | Rabbit  |
| <b>Clonality:</b>             | Polyclonal  |
| <b>React Species:</b>         | Human,Mouse,Rat,Dog,Pig,Horse,  |
| <b>Applications:</b>          | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.  |
| <b>Molecular weight:</b>      | 310kDa  |
| <b>Cellular localization:</b> | The nucleuscytoplasmicSecretory protein   |
| <b>Form:</b>                  | Lyophilized or Liquid   |
| <b>Concentration:</b>         | 1mg/ml  |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human PDZK3:801-900/2839  |
| <b>Lsotype:</b>               | IgG   |
| <b>Purification:</b>          | affinity purified by Protein A  |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.  |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.   |
| <b>PubMed:</b>                | <a href="#">PubMed</a>  |
| <b>Product Detail:</b>        | Proteins containing PDZ domains have been shown frequently to bind the C-termini of   |

transmembrane receptors or ion channels. They have also been shown to bind to other PDZ domain proteins and could possibly be involved in intracellular signalling. PDZK3 contains six PDZ domains and shares sequence similarity with pro-interleukin-16 (pro-IL-16). Like pro-IL-16, the encoded protein localizes to the endoplasmic reticulum and is thought to be cleaved by a caspase to produce a secreted peptide containing two PDZ domains. In addition, the PDZK3 gene is upregulated in primary prostate tumors and may be involved in the early stages of prostate tumorigenesis.

**Subunit:**

Interacts with SCN10A, CTNND2 and PKP4 (By similarity).

**Subcellular Location:**

Cytoplasmic, Endoplasmic reticulum, Nuclear and Secreted

**Tissue Specificity:**

Isoform 2 is expressed (at protein level) in prostate and many prostate tumors.

**Post-translational modifications:**

A secreted form is produced by caspase-mediated proteolytic cleavage (By similarity).

**Similarity:**

Contains 6 PDZ (DHR) domains.

**SWISS:**

O15018

**Gene ID:**

23037

**Database links:**

[Entrez Gene: 23037](#) Human

[Entrez Gene: 68070](#) Mouse

[Entrez Gene: 65034](#) Rat

[Omim: 610697](#) Human

[SwissProt: O15018](#) Human

[SwissProt: Q9QZR8](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human,

|  |   |
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|  | therapeutic or diagnostic applications. |
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