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## Datasheet for ABIN5692231 DKK4 ELISA Kit

### Overview

|                          |                         |
|--------------------------|-------------------------|
| Quantity:                | 96 tests                |
| Target:                  | DKK4                    |
| Binding Specificity:     | AA 19-224               |
| Reactivity:              | Human                   |
| Method Type:             | Sandwich ELISA          |
| Detection Range:         | 156 pg/mL - 10000 pg/mL |
| Minimum Detection Limit: | 156 pg/mL               |
| Application:             | ELISA                   |

### Product Details

|                    |  |
|--------------------|--|
| Purpose:           | Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human DKK-4. 96wells/kit, with removable strips. |
| Brand:             | PicoKine™  |
| Sample Type:       | Cell Culture Supernatant, Plasma (EDTA - heparin), Serum   |
| Analytical Method: | Quantitative   |
| Detection Method:  | Colorimetric   |
| Specificity:       | Expression system for standard: NSO, Immunogen sequence: L19-L224  |
| Sensitivity:       | < 10 pg/mL   |
| Components:        | 96-well plate precoated with antibody<br>lyophilized recombinant standard  |

## Product Details

biotinylated antibody (dilution 1:100)  
Avidin-Biotin-Peroxidase Complex(ABC)(dilution 1:100)  
Sample diluent buffer  
Antibody diluent buffer  
ABC diluent buffer  
TMB color developing agent  
TMB stop solution  
Adhesive cover

## Target Details

|                   |   |
|-------------------|---|
| Target:           | DKK4  |
| Alternative Name: | DKK4 ( <a href="#">DKK4 Products</a> )  |
| Background:       | <p>Synonyms: Dickkopf-related protein 4, Dickkopf-4, Dkk-4, hDkk-4, Dickkopf-related protein 4 short form, DKK4</p> <p>Tissue Specificity: Expressed in cerebellum, T-cells, esophagus and lung.</p> <p>Background: DKK4 is a member of the Dickkopf family which are negative regulators of the growth-promoting Wnt / beta-catenin signaling pathway. By FISH, the DKK4 gene was mapped to chromosome 8p11.2-p11.1. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. Activity of this protein is modulated by binding to the Wnt co-receptor and the co-factor kremen 2. The expression of DKK4 was significantly reduced in hepatocellular carcinomas (HCCs), particularly in HCCs that showed cytoplasmic beta- catenin accumulation. DKK4 expression was also reduced in HCC cell lines. Ectopic expression of DKK4 in 2 HCC cell lines reduced beta-catenin and cyclin D1 protein levels and attenuated beta-catenin activity in reporter gene assays.</p> <p>Cellular Localisation: Secreted.</p> |
| UniProt:          | <a href="#">Q9UBT3</a>  |
| Pathways:         | <a href="#">WNT Signaling</a>   |

## Application Details

|               |                       |
|---------------|-----------------------|
| Assay Time:   | 15 min                |
| Plate:        | Pre-coated            |
| Restrictions: | For Research Use only |

## Handling

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|                  |   |
|------------------|---|
| Storage:         | 4 °C,-20 °C   |
| Storage Comment: | Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.) |
| Expiry Date:     | 12 months   |