

# Immunotag™ KPCD3 Polyclonal Antibody

| Antibody Specification |  |
|------------------------|--|
| Catalog No.            | ITN1876  |
| Product Description    | Immunotag™ KPCD3 Polyclonal Antibody   |
| Size                   | 50 µg, 100 µg  |
| Conjugation            | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647                                      |
| IMPORTANT NOTE         | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein         | KPCD3  |
| Clonality              | Polyclonal   |
| Storage/Stability      | -20°C/1 year   |
| Application            | WB,ELISA   |
| Recommended Dilution   | WB 1:500-2000 ELISA 1:5000-20000   |
| Concentration          | 1 mg/ml  |
| Reactive Species       | Human,Mouse  |
| Host Species           | Rabbit   |
| Immunogen              | Synthesized peptide derived from part region of human protein  |
| Specificity            | KPCD3 Polyclonal Antibody detects endogenous levels of protein.  |
| Purification           | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen   |
| Form                   | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.   |
| Gene Name              | PRKD3 EPK2 PRKCN   |
| Accession No.          | O94806 Q8K1Y2  |

## Antibody Specification

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| Description              | protein kinase D3(PRKD3) Homo sapiens This gene belongs to the multigene protein kinase D family of serine/threonine kinases, which bind diacylglycerol and phorbol esters. Members of this family are characterized by an N-terminal regulatory domain comprised of a tandem repeat of cysteine-rich zinc-finger motifs and a pleckstrin domain. The C-terminal region contains the catalytic domain and is distantly related to calcium-regulated kinases. Catalytic activity of this enzyme promotes its nuclear localization. This protein has been implicated in a variety of functions including negative regulation of human airway epithelial barrier formation, growth regulation of breast and prostate cancer cells, and vesicle trafficking. [provided by RefSeq, Jan 2015], |
| Protein Expression       | Embryo,Epithelium,Testis,  |
| Subcellular Localization | intracellular,nucleus,nucleoplasm,cytoplasm,plasma membrane,   |
| Protein Function         | catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Calcium-independent, phospholipid-dependent, serine- and threonine-specific kinase. Upon diacylglycerol-activation, phosphorylates a range of cellular proteins. Also serves as the receptor for phorbol esters, a class of tumor promoters.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. PKD subfamily.,similarity:Contains 1 PH domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 2 phorbol-ester/DAG-type zinc fingers.,tissue specificity:Ubiquitous.,   |
| Usage                    | For Research Use Only! Not for diagnostic or therapeutic procedures.   |