

**(** Tel: 400-999-8863 ■ Emall:Upingbio.163.com



## PKD2 (phospho Ser876) Polyclonal Antibody

| Catalog No                 | YP-Ab-14375   |
|----------------------------|---|
| Isotype                    | IgG   |
| Reactivity                 | Human;Mouse;Rat   |
| Applications               | WB;IHC;IF;ELISA   |
| Gene Name                  | PRKD2   |
| Protein Name               | Serine/threonine-protein kinase D2  |
| Immunogen                  | The antiserum was produced against synthesized peptide derived from human PKD2 around the phosphorylation site of Ser876. AA range:829-878  |
| Specificity                | Phospho-PKD2 (S876) Polyclonal Antibody detects endogenous levels of PKD2 protein only when phosphorylated at S876.   |
| Formulation                | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| Source                     | Polyclonal, Rabbit,IgG  |
| Purification               | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| Dilution                   | WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000 IF 1:50-200  |
| Concentration              | 1 mg/ml   |
| Purity                     | ≥90%  |
|                            |   |
| Storage Stability          | -20°C/1 year  |
| Storage Stability Synonyms | -20°C/1 year PRKD2; PKD2; HSPC187; Serine/threonine-protein kinase D2; nPKC-D2  |
|                            | ·   |
| Synonyms                   | PRKD2; PKD2; HSPC187; Serine/threonine-protein kinase D2; nPKC-D2   |
| Synonyms Observed Band     | PRKD2; PKD2; HSPC187; Serine/threonine-protein kinase D2; nPKC-D2  96kD  Cytoplasm . Cell membrane . Nucleus . Golgi apparatus, trans-Golgi network . Translocation to the cell membrane is required for kinase activation. Accumulates in the nucleus upon CK1-mediated phosphorylation after activation of G-protein-coupled receptors. Nuclear accumulation is regulated by blocking |



## UpingBio technology Co.,Ltd

📞 Tel: 400-999-8863 💌 Email:Upingbio.163.com



**Background** 

The protein encoded by this gene belongs to the protein kinase D (PKD) family of serine/threonine protein kinases. This kinase can be activated by phorbol esters as well as by gastrin via the cholecystokinin B receptor (CCKBR) in gastric cancer cells. It can bind to diacylglycerol (DAG) in the trans-Golgi network (TGN) and may regulate basolateral membrane protein exit from TGN. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],

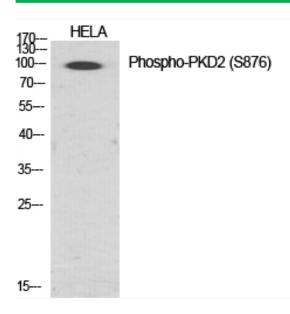
matters needing attention

Avoid repeated freezing and thawing!

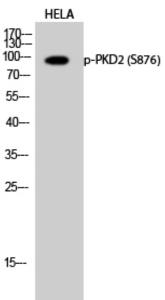
**Usage suggestions** 

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

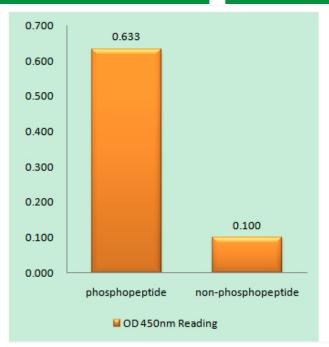
## **Products Images**



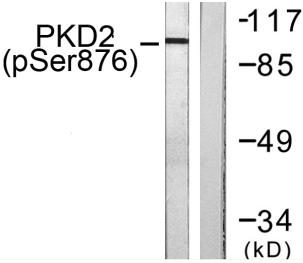
Western Blot analysis of various cells using Phospho-PKD2 (S876) Polyclonal Antibody diluted at 1:1000



Western Blot analysis of HELA cells using Phospho-PKD2 (S876) Polyclonal Antibody diluted at 1:1000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PKD2 (Phospho-Ser876) Antibody



Western blot analysis of lysates from NIH/3T3 cells treated with PMA 250ng/ml 15', using PKD2 (Phospho-Ser876) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).