



PKD2 rabbit pAb

Cat No.:ES5443

For research use only

Overview

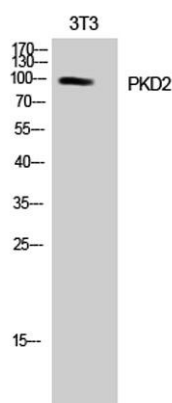
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|--------------------------|---|
| Product Name | PKD2 rabbit pAb |
| Host species | Rabbit |
| Applications | WB;IHC;IF;ELISA |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications. |
| Immunogen | The antiserum was produced against synthesized peptide derived from human PKD2. AA range:829-878 |
| Specificity | PKD2 Polyclonal Antibody detects endogenous levels of PKD2 protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Serine/threonine-protein kinase D2 |
| Gene Name | PRKD2 |
| Cellular localization | 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 |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | 96kD |
| Human Gene ID | 25865 |
| Human Swiss-Prot Number | Q9BZL6 |
| Alternative Names | PRKD2; PKD2; HSPC187; Serine/threonine-protein kinase D2; nPKC-D2 |





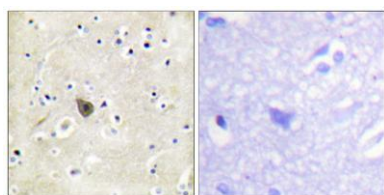
Background

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],



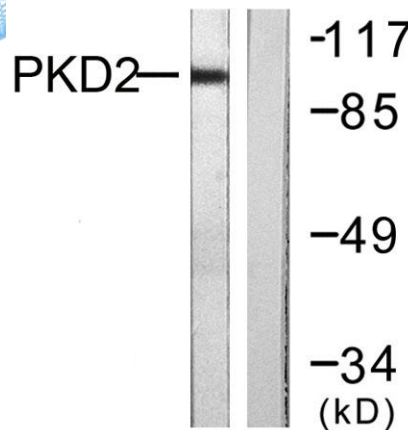
Western Blot analysis of NIH-3T3 cells using PKD2 Polyclonal Antibody

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PKD2 Antibody. The picture on the right is blocked with the synthesized peptide.





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



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