

DNAxPAb

Hard-to-Find  
Antibody

# PRKAR1B DNAxPab

Catalog # H00005575-W01P

Size 200 ug

## Specification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit polyclonal antibody raised against a full-length human PRKAR1B DNA using DNAx™ Immune technology.                                                                                                                                                                                                                                                                                                        |
| Technology              | <a href="#">DNAx™ Immune</a>                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen               | Full-length human DNA                                                                                                                                                                                                                                                                                                                                                                                           |
| Sequence                | MASPPACPSEEDESLKGCELYQLHGIQQVLKDCVHLCISKPERPMKFLREHFEEKLEKEENRQIL<br>ARQKSNSQSDSHDEEVSPTPPNPVVKARRRRGGVSAEVYTEEDAVSYVRKVIPKDYKTMTALAK<br>AISKNVLFAHLDDNERSDIFDAMFPVTHIAGETVIQQGNEGDNFYVVDQGEVDVYVNGEWWTNISE<br>GGSFGELALIYGTPRAATVKAKTDLKLWGIDRDSYRRILMGSTLRKRKMYEEFLSKVSILESLEKWE<br>RLTVADALEPVQFEDGEKIVQGEPGDDFYITEGTASVLQRRSPNEEYVEVGRLGPSDYFGEIAL<br>LLNRPRAATTVARGPLKCVKLDPRPRFERVLGPCSEILKRNIQRYNSFISLTV |
| Host                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                          |
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purification            | Protein A                                                                                                                                                                                                                                                                                                                                                                                                       |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                         |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                               |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                        |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — PRKAR1B

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">5575</a>                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| GeneBank Accession# | <a href="#">NM_002735.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Protein Accession#  | <a href="#">NP_002726.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Name           | PRKAR1B                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Alias          | PRKAR1                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Description    | protein kinase, cAMP-dependent, regulatory, type I, beta                                                                                                                                                                                                                                                                                                                                                                                                       |
| Omim ID             | <a href="#">176911</a>                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Summary        | Cyclic AMP-dependent protein kinase A (PKA) is an essential enzyme in the signaling pathway of the second messenger cAMP. Through phosphorylation of target proteins, PKA controls many biochemical events in the cell including regulation of metabolism, ion transport, and gene transcription. The PKA holoenzyme is composed of 2 regulatory and 2 catalytic subunits and dissociates from the regulatory subunits upon binding of cAMP.[supplied by OMIM] |
| Other Designations  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Pathway

- [Apoptosis](#)
- [Insulin signaling pathway](#)