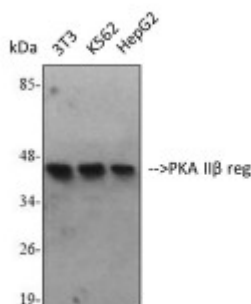


## Anti-PKA I beta reg antibody



|                           |                                                                                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Rabbit polyclonal to PKA Iibeta reg.                                                                                                                                                |
| <b>Model</b>              | STJ95110                                                                                                                                                                            |
| <b>Host</b>               | Rabbit                                                                                                                                                                              |
| <b>Reactivity</b>         | Human, Mouse, Rat                                                                                                                                                                   |
| <b>Applications</b>       | ELISA, IHC, WB                                                                                                                                                                      |
| <b>Immunogen</b>          | Synthesized peptide derived from human PKA Iibeta reg around the non-phosphorylation site of S113.                                                                                  |
| <b>Immunogen Region</b>   | 50-130 aa                                                                                                                                                                           |
| <b>Gene ID</b>            | <a href="#">5577</a>                                                                                                                                                                |
| <b>Gene Symbol</b>        | <a href="#">PRKAR2B</a>                                                                                                                                                             |
| <b>Dilution range</b>     | WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000                                                                                                                                         |
| <b>Specificity</b>        | PKA Iibeta reg Polyclonal Antibody detects endogenous levels of PKA Iibeta reg protein.                                                                                             |
| <b>Tissue Specificity</b> | Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible. |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                               |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                                                                                        |
| <b>Protein Name</b>       | cAMP-dependent protein kinase type II-beta regulatory subunit                                                                                                                       |

|                                         |                                                                                                                                                                                                                   |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>                 | 46 kDa                                                                                                                                                                                                            |
| <b>Clonality</b>                        | Polyclonal                                                                                                                                                                                                        |
| <b>Conjugation</b>                      | Unconjugated                                                                                                                                                                                                      |
| <b>Isotype</b>                          | IgG                                                                                                                                                                                                               |
| <b>Formulation</b>                      | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                           |
| <b>Concentration</b>                    | 1 mg/ml                                                                                                                                                                                                           |
| <b>Storage Instruction</b>              | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                              |
| <b>Database Links</b>                   | <a href="#">HGNC:9392</a> OMIM:NA                                                                                                                                                                                 |
| <b>Alternative Names</b>                | cAMP-dependent protein kinase type II-beta regulatory subunit                                                                                                                                                     |
| <b>Function</b>                         | Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells. Type II regulatory chains mediate membrane association by binding to anchoring proteins, including the MAP2 kinase. |
| <b>Cellular Localization</b>            | Cytoplasm Cell membrane. Colocalizes with PJA2 in the cytoplasm and at the cell membrane.                                                                                                                         |
| <b>Post-translational Modifications</b> | Phosphorylated by the activated catalytic chain.                                                                                                                                                                  |

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