



# PHKB rabbit pAb

Cat No.:ES6585

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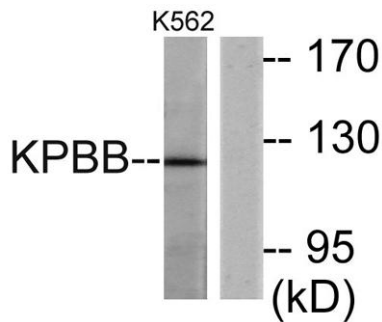
## Overview

|                                 |                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>             | PHKB rabbit pAb                                                                                                                                                                                                                                                                                                                                          |
| <b>Host species</b>             | Rabbit                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>             | WB;IHC                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species Cross-Reactivity</b> | Human;Mouse                                                                                                                                                                                                                                                                                                                                              |
| <b>Recommended dilutions</b>    | WB 1:500-2000;IHC-p 1:50-300                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human KPBB. AA range:661-710                                                                                                                                                                                                                                                         |
| <b>Specificity</b>              | PHKB Polyclonal Antibody detects endogenous levels of PHKB protein.                                                                                                                                                                                                                                                                                      |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                       |
| <b>Protein Name</b>             | Phosphorylase b kinase regulatory subunit beta                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>                | PHKB                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cellular localization</b>    | Cell membrane ; Lipid-anchor ; Cytoplasmic side .                                                                                                                                                                                                                                                                                                        |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                    |
| <b>Clonality</b>                | Polyclonal                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>            | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                  |
| <b>Observed band</b>            | 124kD                                                                                                                                                                                                                                                                                                                                                    |
| <b>Human Gene ID</b>            | 5257                                                                                                                                                                                                                                                                                                                                                     |
| <b>Human Swiss-Prot Number</b>  | Q93100                                                                                                                                                                                                                                                                                                                                                   |
| <b>Alternative Names</b>        | PHKB; Phosphorylase b kinase regulatory subunit beta; Phosphorylase kinase subunit beta                                                                                                                                                                                                                                                                  |
| <b>Background</b>               | Phosphorylase kinase is a polymer of 16 subunits, four each of alpha, beta, gamma and delta. The alpha subunit includes the skeletal muscle and hepatic isoforms, encoded by two different genes. The beta subunit is the same in both the muscle and hepatic isoforms, encoded by this gene, which is a member of the phosphorylase b kinase regulatory |

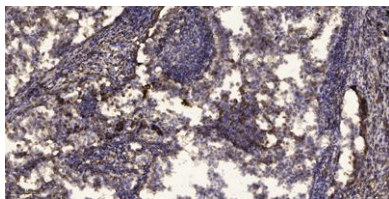




subunit family. The gamma subunit also includes the skeletal muscle and hepatic isoforms, encoded by two different genes. The delta subunit is a calmodulin and can be encoded by three different genes. The gamma subunits contain the active site of the enzyme, whereas the alpha and beta subunits have regulatory functions controlled by phosphorylation. The delta subunit mediates the dependence of the enzyme on calcium concentration. Mutations in this gene cause glycogen storage disease type 9B, also known as phosphorylase kinase deficiency



Western blot analysis of lysates from K562 cells, using KPBB Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 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, 45min).

