

Datasheet for ABIN6145560
anti-PHKB antibody (AA 854-1093)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	PHKB
Binding Specificity:	AA 854-1093
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHKB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 854-1093 of human PHKB (NP_000284.1).
Sequence:	VIHIGWIISN NPELFSGMLK IRIGWIIHAM EYELQIRGGD KPALDLYQLS PSEVKQLLLD ILQPQQNGRC WLNRRQIDGS LNRTPTGFYD RVWQILERTP NGIIVAGKHL PQQPTLSDMT MYEMNFSLLV EDTLGNIDQP QYRQIVVELL MVVSIVLERN PELEFQDKVD LDRLVKEAFN EFQKDQSRK EIEKQDDMTS FYNTPPLGKR GTCSYLTKAV MNLLLEGEVK PNNDPCLIS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PHKB
Alternative Name:	PHKB (PHKB Products)
Background:	<p>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 of liver and muscle. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene. Two pseudogenes have been found on chromosomes 14 and 20, respectively.,PHKB,Cancer,Signal Transduction,Endocrine & Metabolism,Carbohydrate metabolism,PHKB</p>
Molecular Weight:	123 kDa/124 kDa
Gene ID:	5257
UniProt:	Q93100
Pathways:	Cellular Glucan Metabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

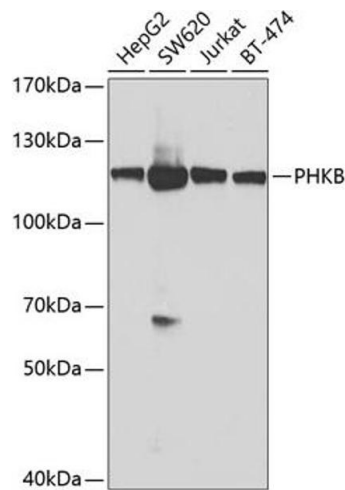
Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using PHKB antibody (ABIN6129077, ABIN6145560, ABIN6145561 and ABIN6224038) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.