

# PHKA1/2 Polyclonal Antibody

Cat No: HR1AP7695

For research use only

## Overview

Product Name	PHKA1/2 Polyclonal Antibody
Source	Rabbit
Applications	WB,IF,ELISA
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	137kDa
GeneID?Human?	PHKA1/PHKA2
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	PHKA1; PHKA; Phosphorylase b kinase regulatory subunit alpha; skeletal muscle isoform; Phosphorylase kinase alpha M subunit; PHKA2; PHKLA; PYK; Phosphorylase b kinase regulatory subunit alpha, liver
Background	<p>phosphorylase kinase regulatory subunit alpha 1(PHKA1) Homo sapiens 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, and the skeletal muscle isoform is encoded by this gene. The beta subunit is the same in both the muscle and hepatic isoforms, and encoded by one gene. The gamma subunit also includes the skeletal muscle and hepatic isoforms, which are 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 9D, also known as X-linked muscle glycogenosis. Alternatively spliced transcript varian</p>