

Rabbit PHKB Polyclonal Antibody | anti-PHKB antibody

PHKB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322592	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

PHKB; Polyclonal Antibody; PHKB Antibody; DKFZp781E15103; FLJ41698; KPBB_HUMAN; Phosphorylase b kinase regulatory subunit beta; Phosphorylase kinase B; Phosphorylase kinase beta polypeptide; Phosphorylase kinase beta subunit; Phosphorylase kinase subunit beta; anti-PHKB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PHKB antibody detects endogenous levels of total PHKB
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1093
Applicable Applications for anti-PHKB antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PHKB
Subcellular Location	Cell Membrane
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (83%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322592 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of PHKB using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PHKB antibody	Function: Phosphorylase b kinase catalyzes the phosphorylation of serine in certain substrates, including troponin I. The beta chain acts as a regulatory unit and modulates the activity of the holoenzyme in response to phosphorylation. Subunit Structure: Hexadecamer of 4 heterotetramers, each composed of alpha, beta, gamma, and delta subunits. Alpha (PHKA1 or PHKA2) and beta (PHKB) are regulatory subunits, gamma (PHKG1 or PHKG2) is the catalytic subunit, and delta is calmodulin. Post-translational Modifications: Ser-701 is probably phosphorylated by PKA. Although the final Cys may be farnesylated, the terminal tripeptide is probably not removed, and the C-terminus is not methylated. Similarity: Belongs to the phosphorylase b kinase regulatory chain family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505783
NCBI GeneID	5257
NCBI Accession #	NP_000284.1
NCBI GenBank Nucleotide #	NM_000293.2
UniProt Accession #	Q93100; Q8N4T5
Molecular Weight	Observed: 124 kDa Predicted: 125 kDa
NCBI Official Full Name	phosphorylase b kinase regulatory subunit beta isoform a
NCBI Official Synonym Full Names	phosphorylase kinase regulatory subunit beta
NCBI Official Symbol	PHKB
NCBI Protein Information	phosphorylase b kinase regulatory subunit beta
UniProt Protein Name	Phosphorylase b kinase regulatory subunit beta
UniProt Gene Name	PHKB
UniProt Synonym Gene Names	Phosphorylase kinase subunit beta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/phkb-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322592>