


Product datasheet

Anti-PDK3 antibody ab154549

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Overview

Product name	Anti-PDK3 antibody
Description	Rabbit polyclonal to PDK3
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken, Cow 
Immunogen	Recombinant fragment, corresponding to a region within amino acids 7-290 of Human PDK3 (Uniprot ID: Q15120).
Positive control	HepG2 whole cell lysate (ab7900); HepG2 cells; Human Ca922 xenograft tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab154549 in the following tested applications.

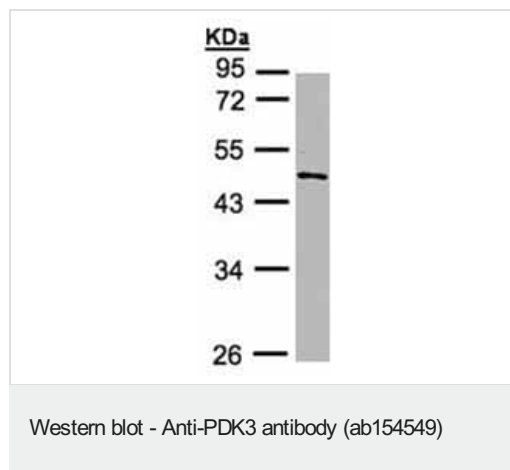
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 47 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/1000.

Target

Function	Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.
Tissue specificity	Found almost exclusively in heart and skeletal muscle.
Sequence similarities	Belongs to the PDK/BCKDK protein kinase family. Contains 1 histidine kinase domain.
Cellular localization	Mitochondrion matrix.

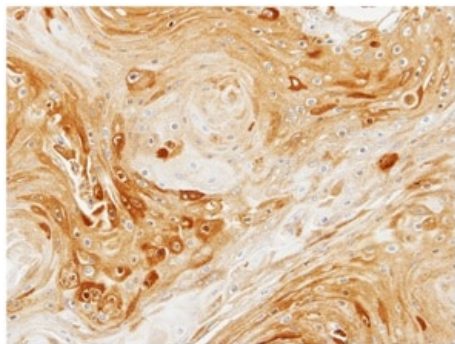
Images



Anti-PDK3 antibody (ab154549) at 1/1000 dilution + HepG2 whole cell lysate at 30 µg

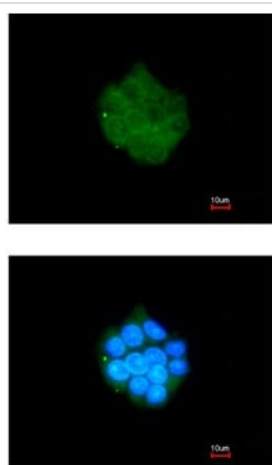
Predicted band size: 47 kDa

10% SDS PAGE



Immunohistochemical analysis of paraffin-embedded Human Ca922 xenograft tissue labeling PDK3 with ab154549 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDK3 antibody (ab154549)



Immunofluorescent analysis of methanol-fixed HepG2 cells labeling PDK3 with ab154549 at 1/200 dilution. Lower image shows cells co-stained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-PDK3 antibody (ab154549)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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