

PDK4 Antibody

Catalog No: #31258

Package Size: #31258-1 50ul #31258-2 100ul

Orders: order@signalwayantibody.com

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Description

Product Name	PDK4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total PDK4 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 101-113 amino acids of Human pyruvate dehydrogenase kinase, isozyme 4
Target Name	PDK4
Other Names	Pyruvate dehydrogenase kinase, isozyme 4
Accession No.	Swiss-Prot:Q16654Gene ID:5166;
Uniprot	Q16654
GeneID	5166;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

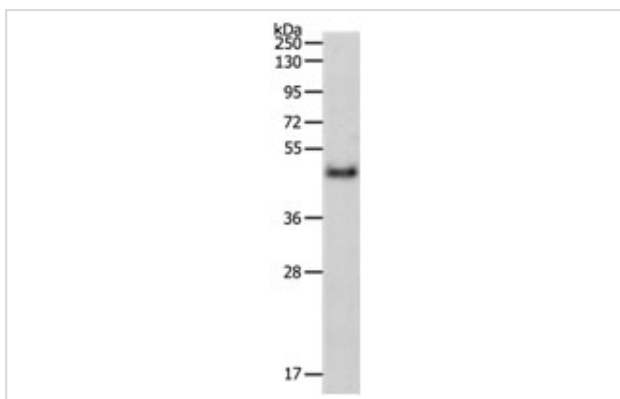
Predicted MW: 46kd

ELISA: 1:1000-1:5000

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

Images



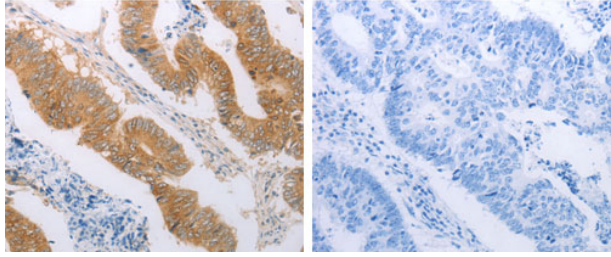
Gel: 10%SDS-PAGE

Lysate: 60 µg Mouse pancreas tissue lysate

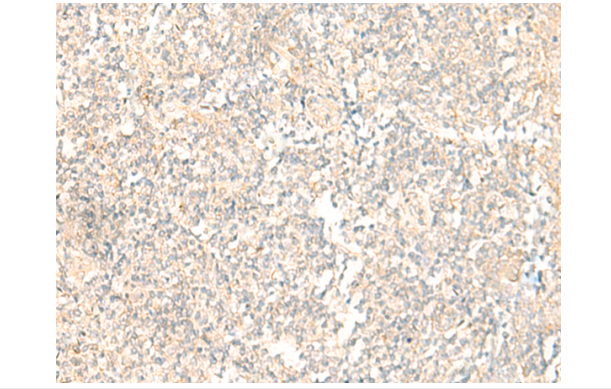
Primary antibody: 1/700 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution

Exposure time: 2 minutes



The image on the left is immunohistochemistry of paraffin-embedded human colon cancer tissue using 31258 (PDK4 Antibody) at dilution 1/50, on the right is treated with the synthetic peptide.



Immunohistochemistry of paraffin-embedded Human tonsil tissue using PDK4 antibody at dilution of 1:50

Background

This gene is a member of the PDK/BCKDK protein kinase family and encodes a mitochondrial protein with a histidine kinase domain. This protein is located in the matrix of the mitochondria and inhibits the pyruvate dehydrogenase complex by phosphorylating one of its subunits, thereby contributing to the regulation of glucose metabolism. Expression of this gene is regulated by glucocorticoids, retinoic acid and insulin.

Note: This product is for in vitro research use only