

## DLK1 antibody

Catalog No: #38446

Package Size: #38446-1 50ul #38446-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

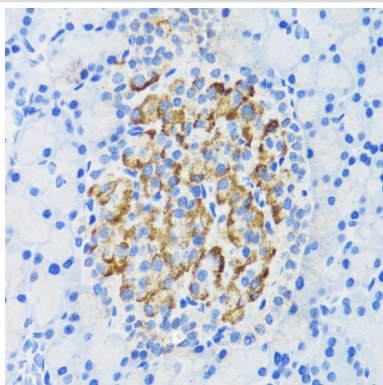
## Description

Product Name	DLK1 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total DLK1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human DLK1.
Target Name	DLK1
Other Names	DLK; FA1; ZOG; pG2; DLK-1; PREF1; Delta1; Pref-1;
Accession No.	Swiss-Prot#: P80370NCBI Gene ID: 8788
Uniprot	P80370
GeneID	8788;
SDS-PAGE MW	41kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

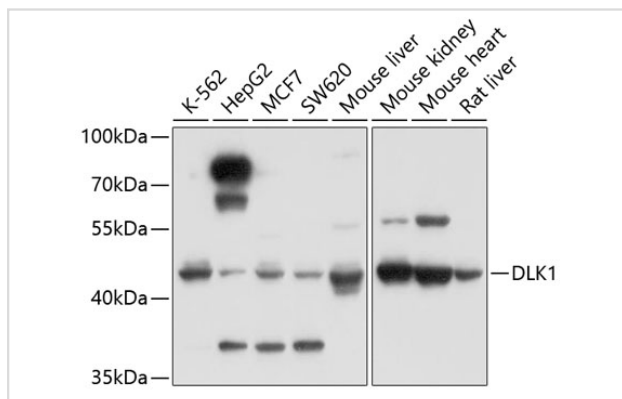
## Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:100IF□1:50 - 1:100

## Images



Immunohistochemistry of paraffin-embedded rat pancreatic islet using DLK1 at dilution of 1:200 (40x lens).



Western blot analysis of extracts of various cell lines, using DLK1 at 1:1000 dilution.

## Background

This gene encodes a transmembrane protein containing six epidermal growth factor repeats. The protein is involved in the differentiation of several cell types, including adipocytes; it is also thought to be a tumor suppressor. It is one of several imprinted genes located in a region of on chr 14q32. Certain mutations in this imprinted region can cause phenotypes similar to maternal and paternal uniparental disomy of chromosome 14 (UPD14). This gene is expressed from the paternal allele. A polymorphism within this gene has been associated with child and adolescent obesity. The mode of inheritance for this polymorphism is polar overdominance; this non-Mendelian inheritance pattern was first described in sheep with the callipyge phenotype, which is characterized by muscle hypertrophy and decreased fat mass.

Note: This product is for in vitro research use only