

Datasheet for ABIN969086

**anti-DLK1 antibody**

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## Overview

Quantity:	100 µL
Target:	DLK1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DLK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant fragment of human DLK1 expressed in E. coli.
Clone:	3A10
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	DLK1
Alternative Name:	DLK1 ( <a href="#">DLK1 Products</a> )
Background:	Description: 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

## Target Details

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.

Aliases: DLK, FA1, ZOG, pG2, PREF1, Pref-1

Molecular Weight:	41 kDa
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Gene ID:	8788
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HGNC:	8788
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## Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Buffer:	Ascitic fluid containing 0.03 % sodium azide.
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Preservative:	Sodium azide
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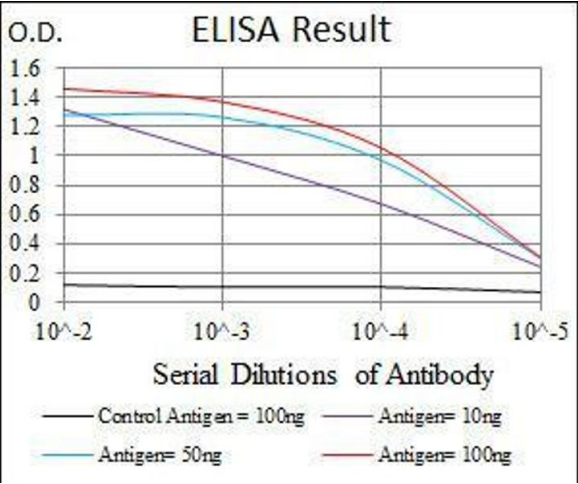
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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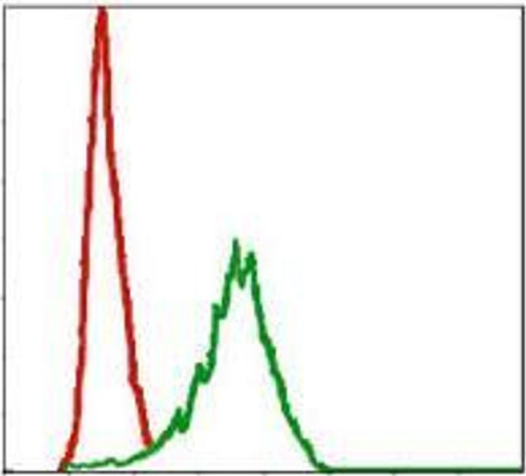
## Publications

Product cited in:	Wang, Wu, Zhou, Guo, Zheng, Wang, Bi, Liu, Zhou, Guo, Sha: "Mapping of the N-linked glycoproteome of human spermatozoa." in: <b>Journal of proteome research</b> , Vol. 12, Issue 12, pp. 5750-9, (2013) ( <a href="#">PubMed</a> ).
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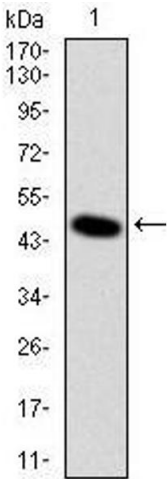
### ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



### Flow Cytometry

**Image 2.** Flow cytometric analysis of NIH/3T3 cells using DLK1 mouse mAb (green) and negative control (red).



### Western Blotting

**Image 3.** Western blot analysis using DLK1 mAb against human DLK1 (AA: 174-349) recombinant protein. (Expected MW is 44.9 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN969086.