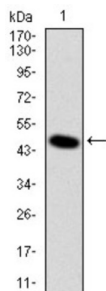
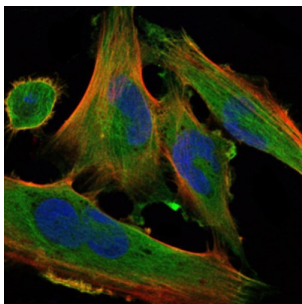


Protein Delta Homolog 1 (DLK1) Antibody

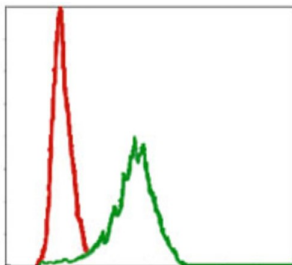
Catalogue No.: abx012103



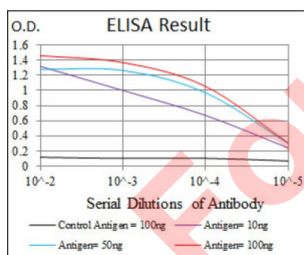
Western blot analysis using DLK1 antibody against human DLK1 (AA: 174-349) recombinant protein. (Expected MW is 44.9 kDa).



Immunofluorescence analysis of U251 cells using DLK1 antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.



Flow cytometric analysis of NIH/3T3 cells using DLK1 antibody (green) and negative control (red).



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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.

Datasheet

Version: 7.0.0
Revision date: 12 Oct 2025



Target:	Protein Delta Homolog 1 (DLK1)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, IF/ICC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human DLK1 expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P80370 (UniProt , ExPASy)
Gene Symbol:	DLK1
GeneID:	8788
OMIM:	176290
HGNC:	2907
KEGG:	hsa:8788
Ensembl:	ENSG00000185559
String:	9606.ENSP00000340292
Molecular Weight:	41 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.

Datasheet

Version: 7.0.0

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Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only