

Datasheet for 600-401-AW3**DLK1 Antibody****Overview**

Description:	Anti-DLK1 (RABBIT) Antibody - 600-401-AW3
Item No.:	600-401-AW3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Delta-like 1 homolog (DLK1) is a transmembrane protein containing six epidermal growth factor repeats. It is involved in the differentiation of several cell types, including adipocytes and is also thought to be a tumor suppressor. The DLK1 gene is one of several imprinted genes located in a region on chromosome 14q32; certain mutations in this imprinted region can cause phenotypes similar to maternal and paternal uniparental disomy of chromosome 14 (UPD14). DLK1 is expressed from the paternal allele; a polymorphism within this gene has been associated with child and adolescent obesity.
Synonyms:	DLK1 Antibody, DLK, Protein delta homolog 1, pG2, DLK-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DLK1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DLK1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the C-terminus of human DLK1.

Purity/Specificity:	Anti-DLK1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least four isoforms of DLK1 are known to exist.
Relevant Links:	• UniProtKB - P80370 • GeneID - 8788 • NCBI - NP_003827

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-DLK1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 41 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	User Optimized
WB:	1-2 µg/mL

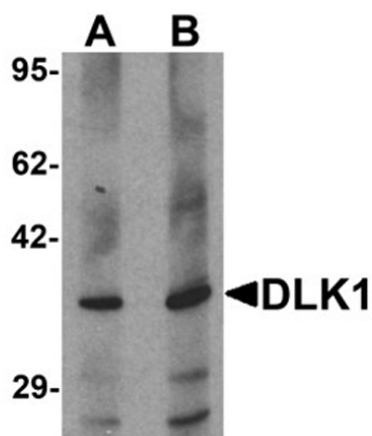
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

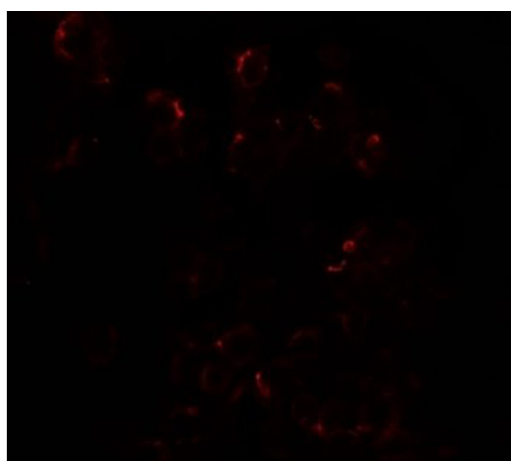


Western Blot

Western blot analysis of DLK1.

Load: HepG2 cell lysate.

Primary Antibody: DLK1 antibody at (A) 1 and (B) 2 µg/mL.



Immunofluorescence Microscopy

Immunofluorescence of DLK1.

Tissue: HepG2 cells.

Primary Antibody: DLK1 antibody at 20 µg/ml.



Immunocytochemistry

Immunocytochemistry of DLK1.

Cell: HepG2 cells.

Primary Antibody: DLK1 antibody at 2.5 µg/ml.

Disclaimer

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