

Anti-Protein delta homolog 1 DLK1 Antibody

Catalog Number: A00513

About DLK1

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.

Overview

Product Name	Anti-Protein delta homolog 1 DLK1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Protein delta homolog 1 DLK1 Antibody (Catalog # A00513). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal Clone: SK7
Formulation	DLK1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	DLK1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P80370

Technical Details

Immunogen	DLK1 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human DLK1. The immunogen is located within amino acids 260 - 310 of DLK1.
Predicted Reactive Species	Bovine
Cross Reactivity	At least four isoforms of DLK1 are known to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	DLK1 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

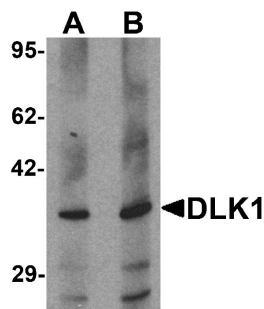
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

DLK1 antibody can be used for detection of DLK1 by Western blot at 1 - 2 ug/mL.

Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

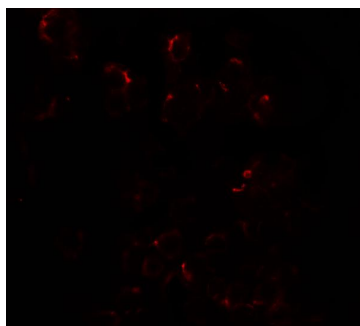
Anti-Protein delta homolog 1 DLK1 Antibody (A00513) Images



Western blot analysis of HepG2 in 293 cell lysate with DLK1 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of DLK1 in HepG2 cells with DLK1 antibody at 2.5 ug/ml.



Immunofluorescence of DLK1 in HepG2 cells with DLK1 antibody at 20 ug/ml.

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