

DLK1

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:200 - 1:500 IHC 1:100 - 1:200

Calculated MW: 41kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human DLK1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

DLK; FA1; ZOG; pG2; DLK-1; PREF1; Delta1; Pref-1;

Catalog #: A2715

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 8788

Isotype: IgG

Swiss Prot: P80370

Purity: Affinity purification

For research use only.

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.

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