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DLK1 Recombinant Rabbit mAb

Catalog # AP99561

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P80370
Other Accession	P80370
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	41300
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DLK1
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.22 □m filtered solution in 20mM hepes7.4, 150mm NaCl, 50% glycerin,0.03% proclin.
SIMILARITY	Contains 6 EGF-like domains.
SUBUNIT	Monomer.
Post-translational modifications	N- and O-glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Mar 2010].

Additional Information

Gene ID	8788
Other Names	DLK; DLK-1; Delta1; FA1; PREF1; Pref-1; ZOG; pG2; DlkI; Ly107; Peg9; SCP1; DLK1_HUMAN; DLK1; DLK1_MOUSE; Adipocyte differentiation inhibitor protein; Preadipocyte factor 1 (Pref-1); Scp-1; delta like non-canonical Notch ligand 1; delta-like homolog (Drosophila); delta-like 1 homolog (Drosophila)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,WB=1:500-2000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DLK1
Synonyms	DLK
Function	May have a role in neuroendocrine differentiation.
Cellular Location	Membrane; Single-pass type I membrane protein. Cytoplasm {ECO:0000250|UniProtKB:O70534}
Tissue Location	Found within the stromal cells in close contact to the vascular structure of placental villi, yolk sac, fetal liver, adrenal cortex and pancreas and in the beta cells of the islets of Langerhans in the adult pancreas. Found also in some forms of neuroendocrine lung tumor tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.