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Rabbit Anti-DLK2/Cy5 Conjugated antibody

SL14342R-Cy5

Product Name	Anti-DLK2/Cy5
Chinese Name	Cy5 标记的穿膜蛋白 DLK2 抗体
Alias	AI413481; Delta like 2 homolog; Delta like protein 2; delta-like 2 homolog (Drosophila); DLK 2; DLK-2; Dlk2; DLK2_HUMAN; EGF like domain containing protein 9; EGF like domain multiple 9; EGF-like protein 9; EGFL 9; EGFL9; Epidermal growth factor-like protein 9; MGC111055; MGC2487; Multiple EGF like domain protein 9; OTTHUMP00000016449; OTTHUMP00000016451; Protein delta homolog 2.
Research Area	Cell biology Growth factors and hormones Binding protein The cell membrane 蛋白
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	38kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DLK2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** DLK2 is a 383 amino acid single-pass transmembrane protein with six tandem EGF-like repeats in the putative extracellular domain, which is characteristic

of the EGF-like protein family. DLK2 shares nearly identical structural features with DLK, suggesting that it may function in a similar way. Like DLK, DLK2 affects adipogenesis of 3T3-L1 preadipocytes and mesenchymal C3H10T1/2 cells, yet it does so in an opposite way to that of DLK. Also, expression of DLK and DLK2 are inversely correlated and changes in expression of one gene will affect the expression levels of the other. Therefore, it is likely that adipogenesis is modulated by the coordinated expression of DLK and DLK2. There are two isoforms of DLK2 that are produced as a result of alternative splicing events.

Function:
Regulates adipogenesis.

Subcellular Location:
Membrane.

Similarity:
Contains 6 EGF-like domains.

Database links:

Entrez Gene: 65989 Human

Entrez Gene: 106565 Mouse

SwissProt: Q6UY11 Human

SwissProt: Q8K1E3 Mouse

Unigene: 337251 Human

Unigene: 23633 Mouse

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.