SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-DLK2/FITC Conjugated antibody

Catalog Number: SL14342R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-DLK2/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human DLK2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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.
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.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse)
Background:	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.

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

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	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.