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[Primary Antibody]

Rabbit Anti-DLK2 antibody

Catalog Number: SL14342R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DLK2
Immunogen:	KLH conjugated synthetic peptide derived from human DLK2: 241-340/383 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） 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)
Predicted MW.:	38kDa
Subcellular Location:	The cell membrane
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

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	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

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