DLK2 Antibody

Catalog No: #43718

Orders: order@signalwayantibody.com
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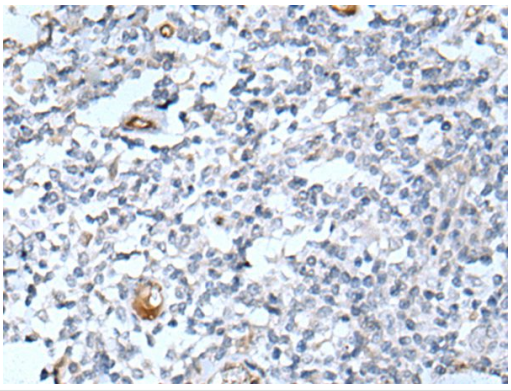
Description

Product Name	DLK2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total DLK2 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human DLK2
Target Name	DLK2
Other Names	DLK-2; EGFL9
Accession No.	Swiss-Prot#: Q6UY11NCBI Gene ID: 65989
Uniprot	Q6UY11
GeneID	65989;
Concentration	0.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

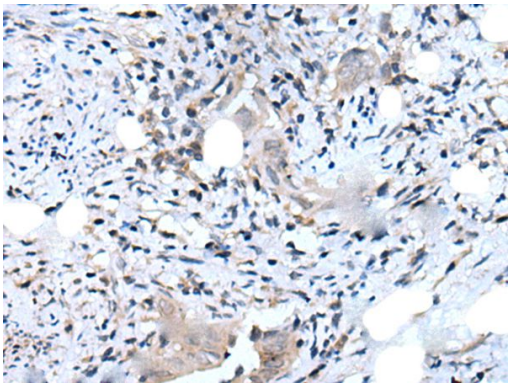
Application Details

Immunohistochemistry: 1: 20-100

Images



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using DLK2 Antibody at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using DLK2 Antibody at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: x200)

Background

DLK2 (delta homolog 2), also known as EGFL9 (Epidermal growth factor-like protein 9), 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.

Note: This product is for in vitro research use only