

DLK2 RABBIT PAB

Cat.#: S215177

Product Name: Anti-DLK2 Rabbit Polyclonal Antibody

Synonyms: DLK-2; EGFL9

UNIPROT ID: Q6UY11 (Gene Accession - NP_076421)

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.

Immunogen: Synthetic peptide of human DLK2

Applications: ELISA, IHC

Recommended Dilutions: IHC: 20-100; ELISA: 2000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

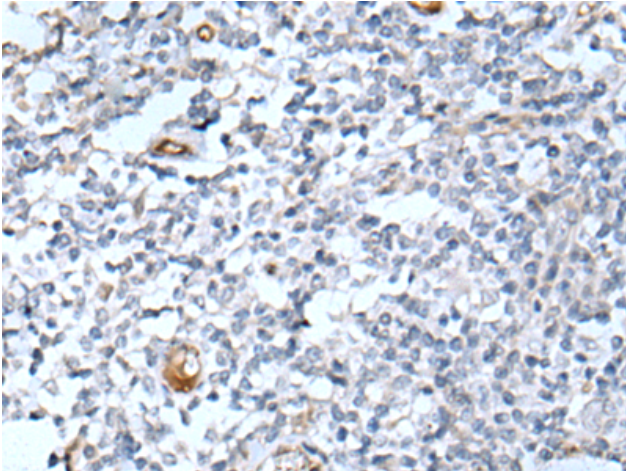
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

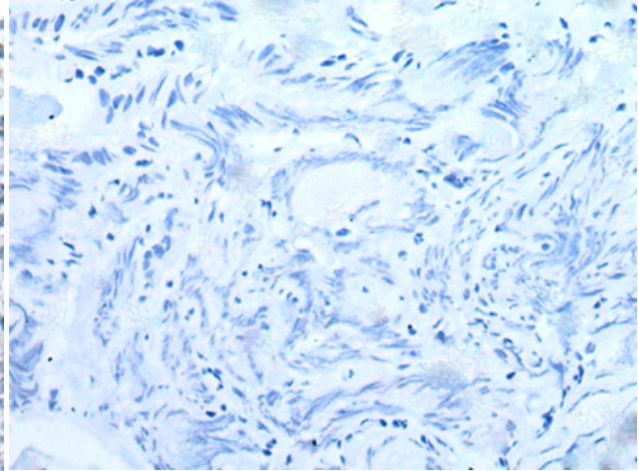
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Signal Transduction

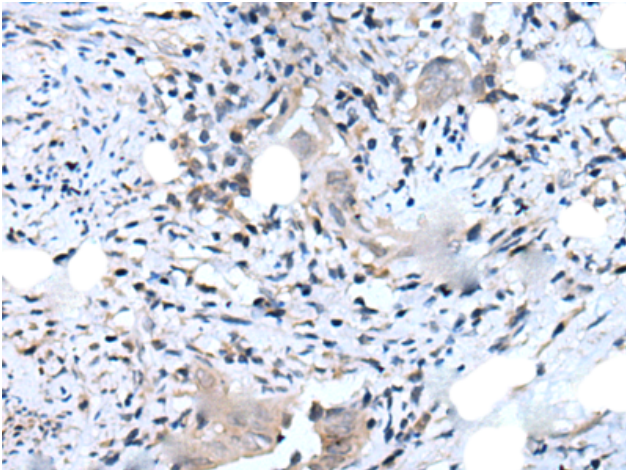
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



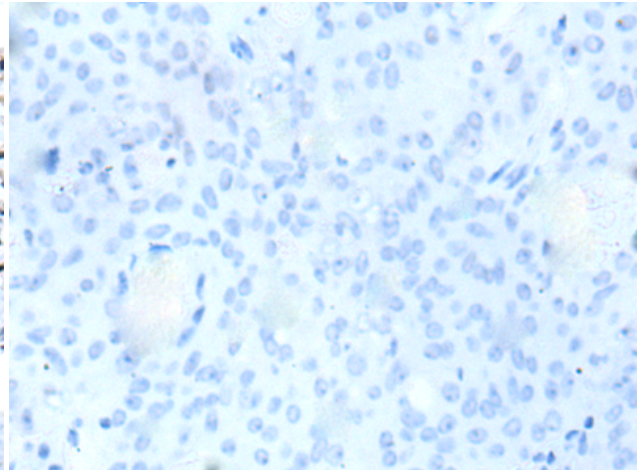
Immunohistochemistry analysis of paraffin embedded Human tonsil tissue using 215177 (DLK2 Antibody) at a dilution of 1/25 (Cell membrane).



In comparison with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with the synthetic peptide and then with 215177 (Anti-DLK2 Antibody) at dilution 1/25.



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using 215177 (Anti-DLK2 Antibody) at a dilution of 1/25.



In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with synthetic peptide and then with D162992 (Anti-DLK2 Antibody) at dilution 1/25.