

Product datasheet for DP3521

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EGFL7 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: IF, IHC, WB

Recommended Dilution: Western blot: 2-5 µg/ml, using the appropriate secondary reagents to detect Human VE-

Statin/EGFL7.

Immunohistochemistry on Frozen Sections: 10 µg/ml.

Immnunocytochemistry: 10 µg/ml.

Reactivity: Human
Host: Rabbit
Isotype: IgG

Clonality: Polyclonal

Immunogen: Highly pure (>95%) recombinant Human VE-Statin/EGFL7 (Thr20-Ser273) derived from insect

cells.

Specificity: This antibody recognizes Human VE-Statin/EGFL7.

Other species not tested.

Formulation: PBS

State: Purified

State: Lyophilized purified IgG fraction

Reconstitution Method: Restore in sterile water to a concentration of 0.1-1.0 mg/ml.

Purification: Protein A Chromatography

Conjugation: Unconjugated

Storage: Store lyophilized at 2-8°C for 6 months or at -20°C long term.

After reconstitution store the antibody undiluted at 2-8°C for one month

or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: EGF like domain multiple 7

Database Link: Entrez Gene 51162 Human

Q9UHF1





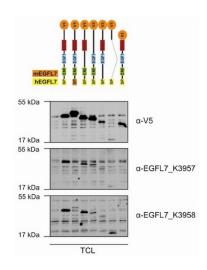
Background:

EGFL7 (VE-Statin) is an ~ 30 kDa secreted protein that contains an Emilin-like (EMI) domain (a multimerization motif), and two epidermal growth factor (EGF) domains, one of which binds calcium. Based on these domains, it has been hypothesized that EGFL7 may self-assemble like extracellular matrix (ECM) proteins and, thus, could incorporate into ECM. EGFL7 has been reported to stimulate cell adhesion as well as motility in a manner similar to ECM proteins. EGFL7 has been shown to be primarily expressed by developing ECs but also by primordial germ cells and some central nervous system neurons. Interestingly, EGFL7 expression markedly decreases in ECs in postnatal life, but can be strongly up-regulated after various tissue injuries that lead to increased angiogenic responses.

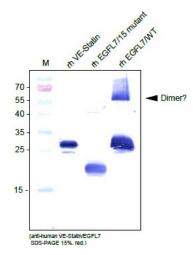
Synonyms:

EGF-like protein 7, EGF like protein 7, VE-statin, NOTCH4-like protein, Zneu1, MEGF7, UNQ187, PRO1449

Product images:

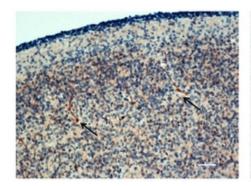


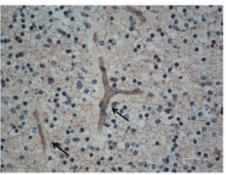
Mapping of VE-Statin/EGFL7 antibody (/S). The experiment was performed by Dr. MirkoHH Schmidt, Institute of Neurology (EdingerInstitute), Neuroscience Center, J.W. Goethe University Scholl of Medicine, Heinrich-Hoffmann-Str. 7, D-60528 Frankfurt, Germany.



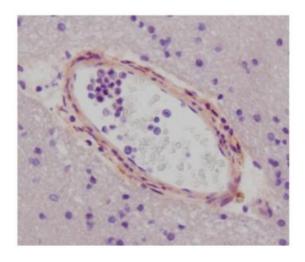
Western analysis of recombinant human VE-Statin, EGFL7/W15 mutant and EGFL7/WT using a polyclonal antibody directed against recombinant Human EGFL7/WT produced in E. coli.



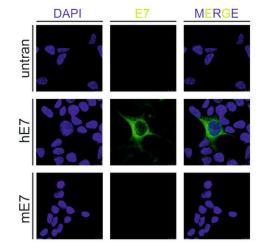




Immunohistochemistry staining of blood vessel endothelial cells in the Human fetal brain with anti-Human VE-Statin/EGFL7 antibody (/S). The experiment was performed by Dr. Mirko HH Schmidt, Institute of Neurology (Edinger Institute), Neuroscience Center, J.W. Goethe University Scholl of Medicine, Heinrich-Hoffmann-Str.7, D-60528 Frankfurt, Germany.



Immunohistochemistry staining of blood vessel endothelial cells in the white in Human brain with anti-Human VE-Statin/EGFL7 antibody (/S). The experiment was performed by Dr. Mirko HH Schmidt, Institute of Neurology (Edinger Institute), Neuroscience Center, J.W. Goethe University Scholl of Medicine, Heinrich-Hoffmann-Str.7, D-60528 Frankfurt, Germany.



Immunohistochemical staining (ICC) of Human and Mouse EGFL7 constructs overexpressed in HEK293T cell with anti-human VE-Statin/EGFL-7 Antibody. The experiment was performed by Dr. Mirko HH Schmidt, Institute of Neurology (Edinger Institute), Neuroscience Center, J.W. Goethe University Scholl of Medicine, Heinrich-Hoffmann-Str. 7, D-60528 Frankfurt, Germany.