

EGFL8 (H-46): sc-292254

BACKGROUND

The epidermal growth factor (EGF) repeat-containing proteins constitute an expanding family of proteins that are involved in several cellular activities, such as blood coagulation, fibrinolysis, cell adhesion, and neural and vertebrate development. EGFL8 (EGF-like domain-containing protein 8), also known as C6orf8, NG3 and VE-statin-2, is a 293 amino acid secreted protein that contains 2 EGF-like domains and one EMI domain. Via its EGF and EMI domains, EGFL8 may participate in protein-protein interactions that correlate with cellular proliferation and developmental signaling events. In mice, EGFL8 is expressed predominately in brain, kidney, lung and thymus.

REFERENCES

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3. Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 609897. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
4. Callebaut, I., Mignotte, V., Souchet, M. and Mornon, J.P. 2003. EMI domains are widespread and reveal the probable orthologs of the *Caenorhabditis elegans* CED-1 protein. *Biochem. Biophys. Res. Commun.* 300: 619-623.
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6. Fitch, M.J., Campagnolo, L., Kuhnert, F. and Stuhlmann, H. 2004. Egfl7, a novel epidermal growth factor-domain gene expressed in endothelial cells. *Dev. Dyn.* 230: 316-324.
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CHROMOSOMAL LOCATION

Genetic locus: EGFL8 (human) mapping to 6p21.32; Egfl8 (mouse) mapping to 17 B1.

SOURCE

EGFL8 (H-46) is a rabbit polyclonal antibody raised against amino acids 28-73 mapping near the N-terminus of EGFL8 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

EGFL8 (H-46) is recommended for detection of EGFL8 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

EGFL8 (H-46) is also recommended for detection of EGFL8 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for EGFL8 siRNA (h): sc-95064, EGFL8 siRNA (m): sc-144600, EGFL8 shRNA Plasmid (h): sc-95064-SH, EGFL8 shRNA Plasmid (m): sc-144600-SH, EGFL8 shRNA (h) Lentiviral Particles: sc-95064-V and EGFL8 shRNA (m) Lentiviral Particles: sc-144600-V.

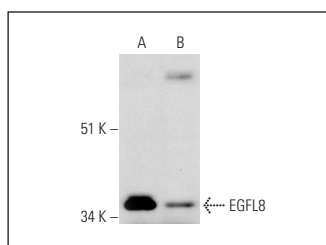
Molecular Weight of EGFL8: 32 kDa.

Positive Controls: A2058 whole cell lysate: sc-364178 or K-562 whole cell lysate: sc-2203.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



EGFL8 (H-46): sc-292254. Western blot analysis of EGFL8 expression in A2058 (A) and K-562 (B) whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.