

# EGFL6 (L-18): sc-15479

## BACKGROUND

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. In addition, this family encodes proteins that govern cellular proliferative responses. EGFL6, a human EGF repeat superfamily member that maps to human chromosome X, encodes a predicted signal peptide suggesting that it is secreted. Other predicted features include four and one-half EGF-like repeat domains, two N-linked glycosylation sites, an integrin association motif, and a tyrosine phosphorylation site. EGFL6 is expressed in brain and lung tumors and fetal tissues, but is generally absent from normal adult tissues.

## REFERENCES

- van de Poll, M.L., van Vugt, M.J., Lenferink, A.E. and van Zoelen, E.J. 1998. Identification of the minimal requirements for binding to the human epidermal growth factor (EGF) receptor using chimeras of human EGF and an EGF repeat of *Drosophila* Notch. *J. Biol. Chem.* 273: 16075-16081.
- Yeung, G., Mulero, J.J., Berntsen, R.P., Loeb, D.B., Drmanac, R. and Ford, J.E. 1999. Cloning of a novel epidermal growth factor repeat containing gene EGFL6: expressed in tumor and fetal tissues. *Genomics* 62: 304-307.
- Buchner, G., Orfanelli, U., Quaderi, N., Bassi, M.T., Andolfi, G., Ballabio, A. and Franco, B. 2000. Identification of a new EGF-repeat-containing gene from human Xp22: a candidate for developmental disorders. *Genomics* 65: 16-23.
- Greener, M. 2000. X marks the spot in lung cancer. *Mol. Med. Today* 6: 139-140.

## CHROMOSOMAL LOCATION

Genetic locus: EGFL6 (human) mapping to Xp22.2

## SOURCE

EGFL6 (L-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of EGFL6 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.

Blocking peptide available for competition studies, sc-15479 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## STORAGE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.

## APPLICATIONS

EGFL6 (L-18) is recommended for detection of EGFL6 of 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).

EGFL6 (L-18) is also recommended for detection of EGFL6 in additional species, including equine.

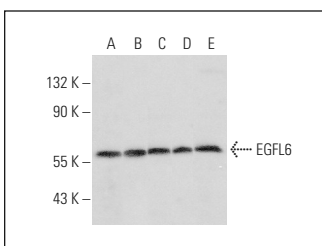
Suitable for use as control antibody for EGFL6 siRNA (h): sc-39425, EGFL6 shRNA Plasmid (h): sc-39425-SH and EGFL6 shRNA (h) Lentiviral Particles: sc-39425-V.

Positive Controls: Hep G2 cell lysate: sc-2227, HEK293 whole cell lysate: sc-45136 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 donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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 donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## DATA



EGFL6 (L-18): sc-15479. Western blot analysis of EGFL6 expression in Hep G2 (A), HEK293 (B), K-562 (C), HeLa (D) and Jurkat (E) whole cell lysates.

## RESEARCH USE

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