

# EVI5L (N-17): sc-240350

## BACKGROUND

EVI5L (ecotropic viral integration site 5-like), also known as EVI5-like protein, is a 794 amino acid protein containing one Rab GAP TBC domain. EVI5L acts as a GTPase-activating protein with broad specificity and has been found to have significant Rab 2A and Rab 10 GAP activity. EVI5L contains two coiled coil regions, and is encoded by a gene mapping to human chromosome 19p. Chromosome 19 consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin (Ig) superfamily members, including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family and Fc receptors (FcRs).

## REFERENCES

1. Teglund, S., et al. 1994. The pregnancy-specific glycoprotein (PSG) gene cluster on human chromosome 19: fine structure of the 11 PSG genes and identification of six new genes forming a third subgroup within the carcinoembryonic antigen (CEA) family. *Genomics* 23: 669-684.
2. Jandrot-Perrus, M., et al. 2000. Cloning, characterization, and functional studies of human and mouse glycoprotein VI: a platelet-specific collagen receptor from the immunoglobulin superfamily. *Blood* 96: 1798-1807.
3. Wang, L., et al. 2000. C-CAM1, a candidate tumor suppressor gene, is abnormally expressed in primary lung cancers. *Clin. Cancer Res.* 6: 2988-2993.
4. Trowsdale, J., et al. 2001. The genomic context of natural killer receptor extended gene families. *Immunol. Rev.* 181: 20-38.
5. Itoh, T., et al. 2006. Screening for target Rabs of TBC (Tre-2/Bub2/Cdc16) domain-containing proteins based on their Rab-binding activity. *Genes Cells* 11: 1023-1037.
6. Barrow, A.D., et al. 2008. The extended human leukocyte receptor complex: diverse ways of modulating immune responses. *Immunol. Rev.* 224: 98-123.

## CHROMOSOMAL LOCATION

Genetic locus: EVI5L (human) mapping to 19p13.2; Evi5l (mouse) mapping to 8 A1.1.

## SOURCE

EVI5L (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of EVI5L 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-240350 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.

## APPLICATIONS

EVI5L (N-17) is recommended for detection of EVI5L of mouse 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); non cross-reactive with EVI5.

EVI5L (N-17) is also recommended for detection of EVI5L in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for EVI5L siRNA (h): sc-97327, EVI5L siRNA (m): sc-144965, EVI5L shRNA Plasmid (h): sc-97327-SH, EVI5L shRNA Plasmid (m): sc-144965-SH, EVI5L shRNA (h) Lentiviral Particles: sc-97327-V and EVI5L shRNA (m) Lentiviral Particles: sc-144965-V.

Molecular Weight of human EVI5L: 91 kDa.

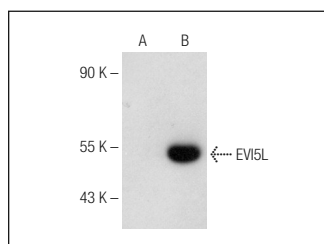
Molecular Weight of mouse EVI5L: 51 kDa.

Positive Controls: EVI5L (m): 293T Lysate: sc-120137.

## 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



EVI5L (N-17): sc-240350. Western blot analysis of EVI5L expression in non-transfected: sc-117752 (A) and mouse EVI5L transfected: sc-120137 (B) 293T whole cell lysates.

## RESEARCH USE

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

## PROTOCOLS

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