SANTA CRUZ BIOTECHNOLOGY, INC.

# EVI5L (G-7): sc-390893

SANTA CRUZ BIOTECHNOLOGY

*The Power to Question*

## 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 Rab10 GAP activity. EVI5L contains two coiled coil regions, and is encoded by a gene mapping to human chromosome 19p13.2. 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 6 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.


## CHROMOSOMAL LOCATION

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

## SOURCE

EVI5L (G-7) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 115-194 near the N-terminus of EVI5L of human origin.

## PRODUCT

Each vial contains 200 µg $IgG_1$ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

EVI5L (G-7) is available conjugated to agarose (sc-390893 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-390893 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-390893 PE), fluorescein (sc-390893 FITC), Alexa Fluor® 488 (sc-390893 AF488), Alexa Fluor® 546 (sc-390893 AF546), Alexa Fluor® 594 (sc-390893 AF594) or Alexa Fluor® 647 (sc-390893 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-390893 AF680) or Alexa Fluor® 790 (sc-390893 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

Blocking peptide available for competition studies, sc-390893 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

## APPLICATIONS

EVI5L (G-7) is recommended for detection of EVI5L of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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).

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 mouse EVI5L: 51 kDa.

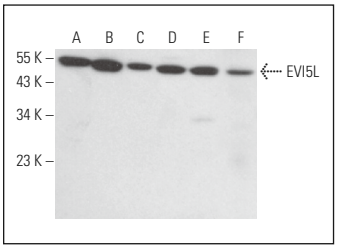
Molecular Weight of human EVI5L: 91 kDa.

Positive Controls: EVI5L (m): 293T Lysate: sc-120137, TK-1 whole cell lysate: sc-364798 or C6 whole cell lysate: sc-364373.

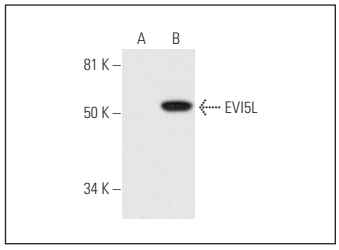
## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 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 m-IgGκ BP-FITC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

## DATA




EVI5L (G-7): sc-390893. Western blot analysis of EVI5L expression in T24 (**A**), U-251-MG (**B**), A-431 (**C**), TK-1 (**D**) and C6 (**E**) whole cell lysates and rat hippocampus tissue extract (**F**).




EVI5L (G-7): sc-390893. Western blot analysis of EVI5L expression in non-transfected: sc-117752 (**A**) and mouse EVI5L transfected: sc-120137 (**B**) 293T whole cell lysates.

## STORAGE

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

## RESEARCH USE

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