

Ebi2 (V-15): sc-66440

BACKGROUND

Epstein-Barr virus-induced gene 2 (Ebi2) is a 357 amino acid multi-pass membrane protein. It is expressed in B lymphocytes and lymphoid tissues and may function in the modulation of the immune system. Out of the nine genes that are induced by the Epstein-Barr virus, Ebi2 exhibits the highest levels of upregulation. Ebi2 is a G protein-coupled receptor that signals through the G protein G_{α_i} . Ebi2 contains seven hydrophobic transmembrane regions and a putative N-linked glycosylation site at its extracellular N-terminus. Ebi2 is believed to be involved in regulating the effects of the Epstein-Barr virus on B lymphocytes. In addition, Ebi2 may play a role mediating normal lymphocyte functions.

REFERENCES

1. Birkenbach, M., et al. 1993. Epstein-Barr virus-induced genes: first lymphocyte-specific G protein-coupled peptide receptors. *J. Virol.* 67: 2209-2220.
2. Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 605741. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>

CHROMOSOMAL LOCATION

Genetic locus: GPR183 (human) mapping to 13q32.3; Gpr183 (mouse) mapping to 14 E5.

SOURCE

Ebi2 (V-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Ebi2 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-66440 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Ebi2 (V-15) is recommended for detection of Ebi2 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).

Ebi2 (V-15) is also recommended for detection of Ebi2 in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for Ebi2 siRNA (h): sc-62253, Ebi2 siRNA (m): sc-62254, Ebi2 shRNA Plasmid (h): sc-62253-SH, Ebi2 shRNA Plasmid (m): sc-62254-SH, Ebi2 shRNA (h) Lentiviral Particles: sc-62253-V and Ebi2 shRNA (m) Lentiviral Particles: sc-62254-V.

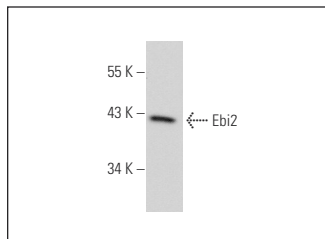
Molecular Weight of Ebi2: 41 kDa.

Positive Controls: Ramos cell lysate: sc-2216, Jurkat whole cell lysate: sc-2204 or NAMALWA cell lysate: sc-2234.

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



Ebi2 (V-15): sc-66440. Western blot analysis of Ebi2 expression in Jurkat whole cell lysate.

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.

PROTOCOLS

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


 MONOS
Satisfaction
Guaranteed

Try **Ebi2 (G-12): sc-514342**, our highly recommended monoclonal alternative to Ebi2 (V-15).