SANTA CRUZ BIOTECHNOLOGY, INC.

# Ebi2 (N-20): sc-66439

SANTA CRUZ BIOTECHNOLOGY

*The Power to Question*

## 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 $G_{\alpha i}$. 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


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## CHROMOSOMAL LOCATION

Genetic locus: EBI2 (human) mapping to 13q32.3.

## SOURCE

Ebi2 (N-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus 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-66439 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

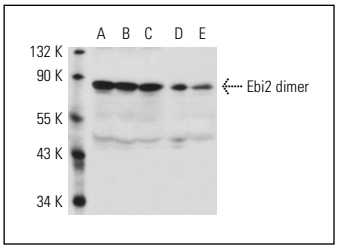
Ebi2 (N-20) is recommended for detection of Ebi2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (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 Ebi2 siRNA (h): sc-62253, Ebi2 shRNA Plasmid (h): sc-62253-SH and Ebi2 shRNA (h) Lentiviral Particles: sc-62253-V.

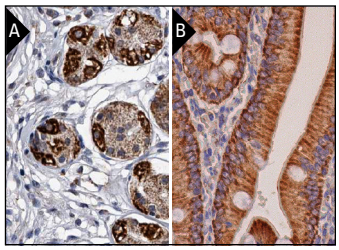
Molecular Weight of Ebi2: 41 kDa.

Positive Controls: NAMALWA cell lysate: sc-2234, Ramos cell lysate: sc-2216 or U266 whole cell lysate: sc-364800.

## DATA




Ebi2 (N-20): sc-66439. Western blot analysis of Ebi2 expression in Raji (**A**), U266 (**B**), U-698-M (**C**), NAMALWA (**D**) and Ramos (**E**) whole cell lysates.




Ebi2 (N-20): sc-66439. Immunoperoxidase staining of formalin fixed, paraffin-embedded human stomach tissue showing cytoplasmic staining of glandular cells. Kindly provided by The Swedish Human Protein Atlas (HPA) program (**A**). Immunoperoxidase staining of formalin fixed, paraffin-embedded human duodenum tissue showing cytoplasmic and membrane staining of glandular cells (**B**).

## 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 (N-20).