

# Bax (P-19): sc-526

## BACKGROUND

The Bcl-2 gene was isolated at the chromosomal breakpoint of t-bearing follicular B cell lymphomas. Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal. Bcl-2 is localized to outer mitochondrial membranes and endoplasmic reticulum as well as nuclear membranes. A related protein, designated Bax p21 (for Bcl-associated X protein), has extensive amino acid homology with Bcl-2 and both homodimerizes and forms heterodimers with Bcl-2. Overexpression of Bax accelerates apoptotic death induced by cytokine deprivation in an IL-3 dependent cell line, and Bax also counters the death repressor activity of Bcl-2.

## CHROMOSOMAL LOCATION

Genetic locus: BAX (human) mapping to 19q13.33; Bax (mouse) mapping to 7 B4.

## SOURCE

Bax (P-19) is available as either rabbit (sc-526) or goat (sc-526-G) polyclonal affinity purified antibody raised against a peptide mapping near the N-terminus of Bax of mouse 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-526 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for ChIP application, sc-526 X, 200 µg/0.1 ml.

## APPLICATIONS

Bax (P-19) is recommended for detection of Bax $\alpha$  and Bax $\beta$  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), 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).

Bax (P-19) is also recommended for detection of Bax $\alpha$  and Bax $\beta$  in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for Bax siRNA (h): sc-29212, Bax shRNA Plasmid (h): sc-29212-SH and Bax shRNA (h) Lentiviral Particles: sc-29212-V.

Bax (P-19) X TransCruz antibody is recommended for ChIP assays.

Molecular Weight of Bax: 23 kDa.

Positive Controls: BJAB whole cell lysate: sc-2207, HuT 78 whole cell lysate: sc-2208 or Ramos cell lysate: sc-2216.

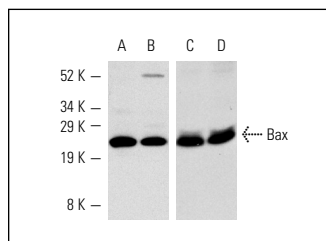
## STORAGE

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

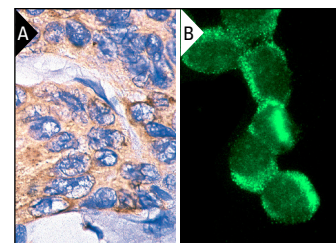
## RESEARCH USE

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

## DATA



Western blot analysis of Bax expression in Jurkat (A), HuT 78 (B), Ramos (C) and BJAB (D) whole cell lysates. Antibodies tested include Bax (P-19): sc-526 (A,B) and Bax (B-9): sc-7480 (C,D).



Bax (P-19): sc-526. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human breast carcinoma tissue showing cytoplasmic staining of epithelial cells (A). Immunofluorescence staining of methanol-fixed Jurkat cells showing cytoplasmic localization (B).

## SELECT PRODUCT CITATIONS

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Try **Bax (B-9): sc-7480** or **Bax (2D2): sc-20067**, our highly recommended monoclonal alternatives to Bax (P-19). Also, for AC, HRP, FITC, PE, Alexa Fluor<sup>®</sup> 488 and Alexa Fluor<sup>®</sup> 647 conjugates, see **Bax (B-9): sc-7480**.