

# SBNO2 (K-15): sc-240850

## BACKGROUND

SBNO2 (protein strawberry notch homolog 2) is a 1,366 amino acid protein that belongs to the SBNO family. Detected in macrophages, SBNO2 seems to have transcriptional repression activity. SBNO2 and ETV3 are components of the pathways that contribute to the downstream anti-inflammatory effects of IL-10. The expression of SBNO2 is regulated by IL-10 in a STAT3-dependent way. Existing as two alternatively spliced isoforms, the SBNO2 gene is conserved in chimpanzee, canine, bovine, mouse, rat, chicken, zebrafish and *C. elegans*, and maps to human chromosome 19p13.3. GPx-4 and LKB1 are neighbors of SBNO2 on chromosome 19. Chromosome 19 consists of approximately 63 million bases and makes up over 2% of human genomic DNA. Key genes for eye color and hair color also map to chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and Insulin-dependent diabetes have been linked to chromosome 19.

## CHROMOSOMAL LOCATION

Genetic locus: SBNO2 (human) mapping to 19p13.3; Sbn2 (mouse) mapping to 10 C1.

## SOURCE

SBNO2 (K-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of SBNO2 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-240850 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-240850 X, 200 µg/0.1 ml.

## APPLICATIONS

SBNO2 (K-15) is recommended for detection of SBNO2 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); non cross-reactive with SBNO1.

Suitable for use as control antibody for SBNO2 siRNA (h): sc-97340, SBNO2 siRNA (m): sc-153234, SBNO2 shRNA Plasmid (h): sc-97340-SH, SBNO2 shRNA Plasmid (m): sc-153234-SH, SBNO2 shRNA (h) Lentiviral Particles: sc-97340-V and SBNO2 shRNA (m) Lentiviral Particles: sc-153234-V.

SBNO2 (K-15) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of SBNO2 isoform 1: 150 kDa.

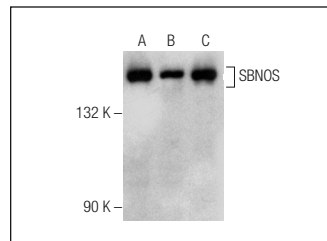
Molecular Weight of SBNO2 isoform 2: 152 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, RAW 264.7 whole cell lysate: sc-2211 or HeLa whole cell lysate: sc-2200.

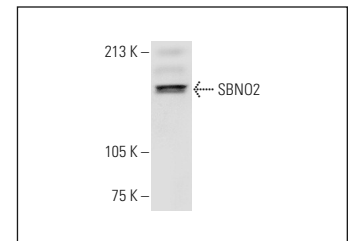
## RECOMMENDED SECONDARY REAGENTS

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



SBNO2 (K-15): sc-240850. Western blot analysis of SBNO2 expression in Jurkat (A), K-562 (B) and RAW 264.7 (C) whole cell lysates.



SBNO2 (K-15): sc-240850. Western blot analysis of SBNO2 expression in HeLa 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](http://www.scbt.com) or our catalog for detailed protocols and support products.


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Try **SBNO2 (A-3): sc-515634**, our highly recommended monoclonal alternative to SBNO2 (K-15).