NFκB p52 (m): 293T Lysate: sc-122026



The Power to Question

BACKGROUND

The NF κ B transcription factor was originally identified as a protein complex consisting of a DNA binding subunit and an associated protein. The DNA binding subunit is functionally related to c-Rel p75 and RelB p68. The p50 subunit was initially believed to be a functionally unique protein derived from the amino-terminus of a precursor designated p105. A cDNA has been isolated that encodes an alternative DNA binding subunit of NF κ B. It is synthesized as a protein that is expressed in a variety of cell types and, like p105, undergoes cleavage to generate its NF κ B subunit, in this case a protein designated p52 (previously referred to as p49). In contrast to p50 derived from p105, p52 acts in synergy with p65 to stimulate the HIV enhancer in transiently transfected Jurkat cells.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Nfkb2 (mouse) mapping to 19 C3.

PRODUCT

 $NF\kappa B$ p52 (m): 293T Lysate represents a lysate of mouse NF κB p52 transfected 293T cells and is provided as 100 μg protein in 200 μl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

APPLICATIONS

NFκB p52 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive NFκB p52 antibodies. Recommended use: 10-20 μ l per lane

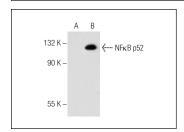
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

NF κ B p52 (C-5): sc-7386 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse NF κ B p52 expression in NF κ B p52 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgG κ BP-HRP: sc-516102 or m-lgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz MarkerTM Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



NFkB p52 (C-5): sc-7386. Western blot analysis of NFkB p52 expression in non-transfected: sc-117752 (**A**) and mouse NFkB p52 transfected: sc-122026 (**B**) 293T whole cell lysates.

RESEARCH USE

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

PROTOCOLS

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

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