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# NOMO1 (h): 293T Lysate: sc-369072

## BACKGROUND

Three highly similar proteins termed NOMO1, NOMO2 and NOMO3, are encoded by a gene mapping to a region of duplication on the p arm of human chromosome 16. All three NOMO proteins share similar functions and have been difficult to characterize individually. NOMO1 (nodal modulator 1), also known as PM5, is a 1,222 amino acid highly conserved single-pass type I membrane protein expressed in colon tumor tissue and normal colonic mucosa. NOMO proteins are novel antagonists of nodal signaling which interact with nicalin to form a nicalin-NOMO complex, and are rapidly degraded or stabilized by nicalin. NOMO proteins were once considered candidates for the development of pseudoxanthoma elasticum (PXE), a heritable disorder of connective tissue, as the NOMO genes are located in close proximity to the gene responsible for PXE development (MRP6).

## REFERENCES

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## 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.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.

## CHROMOSOMAL LOCATION

Genetic locus: NOMO1 (human) mapping to 16p13.11.

## PRODUCT

NOMO1 (h): 293T Lysate represents a lysate of human NOMO1 transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## APPLICATIONS

NOMO1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive NOMO1 antibodies. Recommended use: 10-20  $\mu$ l per lane.

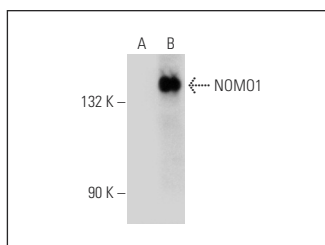
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

NOMO (B-10): sc-390565 is recommended as a positive control antibody for Western Blot analysis of enhanced human NOMO1 expression in NOMO1 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-IgG $\kappa$  BP-HRP: sc-516102 or m-IgG $\kappa$  BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker<sup>™</sup> Molecular Weight Standards: sc-2035, UltraCruz<sup>®</sup> Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

## DATA



NOMO (B-10): sc-390565. Western blot analysis of NOMO1 expression in non-transfected: sc-117752 (A) and human NOMO1 transfected: sc-369072 (B) 293T whole cell lysates.

## RESEARCH USE

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