Ptx3 (h): 293T Lysate: sc-115482



The Power to Question

BACKGROUND

Pentraxins are a protein superfamily characterized by a cyclic multimeric structure. Ptx3, also known as tumor necrosis factor-stimulated gene sequence-14 (TSG14), is a secreted pattern-recognition receptor that has a non-redundant role in resistance to selected microbial agents. Ptx3 belongs to the family of "long pentraxins," which have C-terminal pentraxin domains and novel aminoterminal domains. Ptx3 binds selected pathogens, including *Aspergillus fumigatus*, *Pseudomonas aeruginosa* and *Salmonella typhimurium*. It is synthesized in IgA glomerulonephritis and activates mesangial cells. Secretion of Ptx3 in adipose cells can be induced by TNF α . Ptx3 is also involved in amplification of inflammatory reactions and regulation of innate immunity.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PTX3 (human) mapping to 3q25.32.

PRODUCT

Ptx3 (h): 293T Lysate represents a lysate of human Ptx3 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.

PROTOCOLS

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

APPLICATIONS

Ptx3 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Ptx3 antibodies. Recommended use: 10-20 µl per lane.

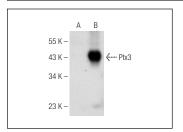
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Ptx3 (C-10): sc-373951 is recommended as a positive control antibody for Western Blot analysis of enhanced human Ptx3 expression in Ptx3 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



Ptx3 (C-10): sc-373951. Western blot analysis of Ptx3 expression in non-transfected: sc-117752 (**A**) and human Ptx3 transfected: sc-115482 (**B**) 293T whole cell lysates.

RESEARCH USE

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

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