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- Mindermengenzuschlag
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p22-phox (m): 293T Lysate: sc-122308

BACKGROUND

Mox1 and the glycoprotein gp91-phox are largely related proteins that are essential components of the NADPH oxidase. The superoxide-generating NADPH oxidase is present in phagocytes, neuroepithelial bodies, vascular smooth muscle cells and endothelial cells. It includes a membrane-bound flavocytochrome containing two subunits, gp91-phox and p22-phox, and the cytosolic proteins p47-phox and p67-phox. During activation of the NADPH oxidase, p47-phox and p67-phox migrate to the plasma membrane, where they associate with the flavocytochrome cytochrome b558 to form the active enzyme complex. The p22- and gp91-phox subunits also function as conditions.

REFERENCES

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5. Archer, S.L., et al. 1999. O₂ sensing is preserved in mice lacking the gp91-phox subunit of NADPH oxidase. *Proc. Natl. Acad. Sci. USA* 96: 7944-7949.
6. Yang, S., et al. 1999. Superoxide generation in transformed B lymphocytes from patients with severe, malignant osteopetrosis. *Mol. Cell. Biochem.* 199: 15-24.
7. Meyer, J.W., et al. 1999. Identification of a functional leukocyte-type NADPH oxidase in human endothelial cells: a potential atherogenic source of reactive oxygen species. *Endothelium* 7: 11-22.
8. Moreno, M.U., et al. 2003. Preliminary characterisation of the promoter of the human p22-phox gene: identification of a new polymorphism associated with hypertension. *FEBS Lett.* 542: 27-31.
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CHROMOSOMAL LOCATION

Genetic locus: Cyba (mouse) mapping to 8 E1.

PRODUCT

p22-phox (m): 293T Lysate represents a lysate of mouse p22-phox transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

p22-phox (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive p22-phox 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.

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.

RESEARCH USE

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

PROTOCOLS

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