

SHOCK®

Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches

OFFICIAL JOURNAL OF THE SHOCK SOCIETY, THE EUROPEAN SHOCK SOCIETY, THE INDONESIAN SHOCK SOCIETY, THE INTERNATIONAL FEDERATION OF SHOCK SOCIETIES, AND THE OFFICIAL AND INTERNATIONAL JOURNAL OF THE JAPAN SHOCK SOCIETY

Volume 29, No. 2

February 2008

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COVER: Exportin 1 shuttles between the nucleus and cytoplasm in HMVECs. Human pulmonary microvascular endothelial cells were stimulated for 30 min after Leptomycin B (LMB) or vehicle pretreatment. Cells were fixed and incubated with antiexportin 1 and a corresponding fluorescent secondary antibody. Cells were then examined by immunofluorescent digital microscopy. Exportin 1 demonstrates a predominately nuclear pattern in control cells or cells treated with LMB only. IL-1 β stimulation demonstrates a more diffuse cellular pattern as Exportin 1 is shuttled to the cytoplasm. Cells pretreated with LMB before IL-1 β stimulation maintain a predominately nuclear pattern similar to the control group. See Walsh Jr., et al., pages 160–166, 2008.