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(54) Title: TISSUE PROTECTIVE CYTOKINES FOR THE PROTECTION, RESTORATION, AND ENHANCEMENT OF RESPONSIVE CELLS, TISSUES AND ORGANS

Capillaries of the human brain express very high levels of EPO receptor, as determined by immunohistochemistry using specific anti-EPO receptor antibodies. This provides a mechanism whereby EPO is able to penetrate into the brain from the systemic circulation, in spite of the blood brain barrier.



(57) Abstract: Methods and compositions are provided for treating a mammal having inflammation by protecting or enhancing a responsive cell, tissue, organ or body part exhibiting or associated with the inflammation, by systemic or local administration of a composition comprising a tissue protective cytokine. The invention also encompasses combination treatments comprising administering a composition comprising a tissue protective cytokine of the invention and administering at least one anti-inflammatory or least one immunomodulatory agent.

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